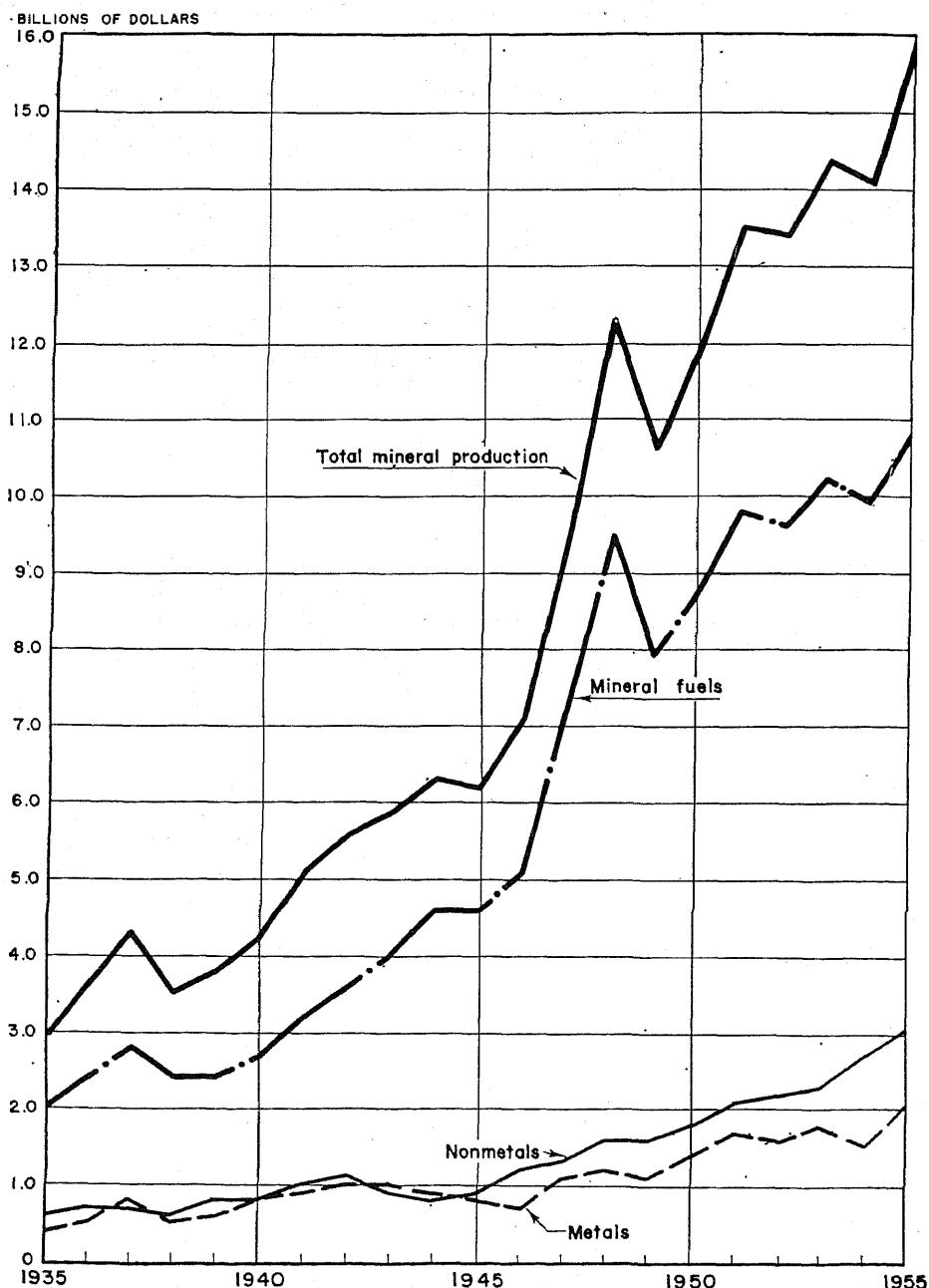


FIG. XXXV.—VALUE OF MINERAL PRODUCTION: 1935 TO 1955

[See table 921]



Source: Chart prepared by Department of Commerce, Bureau of the Census. Data are from Department of the Interior, Bureau of Mines.

Section 28

Mining and Mineral Products

This section presents statistics relating to the mineral industries and mineral products. The data are arranged in four broad groupings: General summary statistics, fuels, nonmetals other than fuels, and metals. Summary measures of production and employment are presented for mining and its products. More detailed data on value and quantity of production, prices, imports and exports, consumption, and distribution are shown for specific mineral industries and products. The latter include not only crude minerals (coal, iron ore, etc.), but minerals which have passed through certain stages of processing (refined copper, cement, etc.), and minerals such as magnesium whose extraction does not involve mining in the conventional sense.

The principal source of these data is the *Minerals Yearbook*, published by the Bureau of Mines of the Department of the Interior. Other government sources are the Censuses of Mineral Industries conducted by the Bureau of the Census; *Statistics of Oil Pipe Line Companies*, an annual report of the Interstate Commerce Commission; and the Bureau of the Mint's *Annual Report of the Director*, which presents data on gold and silver. Nongovernment sources include the *Engineering and Mining Journal* issued monthly by the McGraw-Hill Publishing Co.; *Iron Age*, a weekly Chilton Co. publication; the annual *Metal Statistics* of the American Metal Market; and the annual *Petroleum Facts and Figures* of the American Petroleum Institute.

Mineral statistics, with principal emphasis on commodity detail, have been collected annually or at more frequent intervals by the United States Geological Survey or by the Bureau of Mines since 1880. Current data available from Bureau of Mines publications include quantities and values of minerals produced, sold or used by producers, or shipped; quantities of minerals stocked; crude materials treated and prepared; minerals recovered; and consumption of mineral raw materials. The Bureau of Mines also collects and publishes separate data on man-hours, active days, length of shift, and accidents.

Censuses of mineral industries have been conducted by the Bureau of the Census approximately every 10 years since 1840. The most recent censuses have been those covering 1939 and 1954. Summary data from those censuses are included here. Commodity statistics on many of the manufactured mineral products are also collected by the Bureau of the Census at monthly, quarterly, or annual intervals and issued in its *Facts for Industry* series.

Data on mining and mineral products may also be found in other sections of this *Abstract*. For example, data on iron and steel, aluminum and magnesium, copper products, clay products, and other mineral products appear in section 30, Manufactures; and summary data for U. S. Territories and possessions appear in section 33.

In general, figures shown in the individual commodity tables include data for Territories and possessions, and may therefore not agree with summary table 924.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series G 1-5") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

Note.—This section presents data for the most recent year or period available on May 17, 1957, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

No. 921.—VALUE OF MINERAL PRODUCTION IN THE UNITED STATES: 1881 TO 1955

In millions of dollars. Principal differences between old basis and new basis are as follows: (1) Totals on the new basis represent continental U. S. only; on the old basis, production in Alaska, Hawaii, Philippine Islands, and Puerto Rico was included, but no data were collected for other U. S. possessions now shown in table 1185; (2) U. S. totals on the new basis are a better representation than formerly of the production of primary minerals from domestic mines (or concentrating mills); on the old basis, totals include secondary products and mineral products made from foreign materials. However, value on new basis still includes some advanced products, like cement, lime, and natural gas liquids; also, mine value of nonferrous metals is based not on ore, but on value after refining of the recoverable metal content. Revised data for years prior to 1925 on new basis are not available. See also *Historical Statistics*, series G 1-5.

YEARLY AVERAGE	Total	NONMETALLIC			YEAR	Total	NONMETALLIC			Metallic
		Total	Fuels ¹	Other			Metallic	Total	Fuels ¹	
OLD BASIS										
1881-1885	426	232	171	61	194	1938	3,518	3,058	2,433	625
1886-1890	541	292	215	78	249	1939	3,808	3,177	2,420	757
1891-1895	592	347	248	99	245	1940	4,198	3,446	2,659	787
1896-1900	828	462	307	154	366					752
1901-1905	1,392	814	546	267	578	1941	5,107	4,217	3,224	993
1906-1910	1,887	1,118	746	372	769	1942	5,623	4,624	3,563	1,061
1911-1915	2,220	1,400	967	433	821	1943	5,931	4,944	4,023	921
1916-1920	5,129	3,331	2,602	729	1,798	1944	6,310	5,410	4,568	842
1921-1925	5,151	3,097	2,943	1,054	1,154	1945	6,231	5,457	4,563	894
1926-1930	5,556	4,280	3,088	1,192	1,276	1946	7,062	6,333	5,084	1,249
						1947	9,610	8,526	7,181	1,345
						1948	12,273	11,054	9,495	1,559
						1949	10,580	9,479	7,920	1,559
						1950	11,862	10,511	8,689	1,822
NEW BASIS										
1926-1930	4,676	4,015	2,865	1,150	661	1951	13,520	11,858	9,779	2,070
1931-1935	2,463	2,210	1,688	522	252	1952	13,392	11,778	9,615	2,163
1936-1940	3,879	3,255	2,542	714	623	1953	14,388	12,591	10,249	2,342
1941-1945	5,840	4,930	3,988	942	910	1954	214,033	12,627	9,909	2,718
1946-1950	10,276	9,179	7,671	1,500	1,097	1955 (prel.)	15,970	13,029	10,846	3,083
1936	3,606	3,090	2,401	689	516					2,041
1937	4,265	3,509	2,795	714	756					

¹ Through 1948, comprises coal, natural gas, natural gas liquids, and petroleum; beginning 1949, also includes asphalt and related bitumens, carbon dioxide, helium, and peat.

² Adjusted to eliminate duplication in value of clays and stone.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 922.—AVERAGE PRICES OF SELECTED MINERAL PRODUCTS: 1896 TO 1956

YEARLY AVERAGE OR YEAR	Iron ore ¹ (Lake Erie ports)	Copper, electrolytic ²	Lead (New York) ³	Tin (New York) ³	Zinc (St. Louis)	Aluminum, delivered ⁴	Sulfur crude (f.o.b. works)	Silver (New York)	Quick-silver (New York)
	Dollars per long ton	Cents per lb.	Cents per lb.	Cents per lb.	Cents per lb.	Cents per lb.	Dollars per long ton	Cents per Troy oz.	Dollars per 76-lb. flask
1896-1900	2.36	13.41	3.84	19.54	4.55	37.15	-----	\$ 59,740	43.46
1901-1905	2.70	13.877	4.330	26.19	5.284	33.80	22.16	56,451	43.17
1906-1910	3.70	15.642	4.780	34.26	5.432	31.12	21.89	57,976	44.12
1911-1915	3.08	14.973	4.359	41.10	7.205	23.84	22.00	55,685	52.77
1916-1920	5.21	23.031	7.355	84.54	42.873	42.14	31.76	91,174	105.71
1921-1925	5.03	13.474	6.933	42.64	6.189	23.88	14.55	66,180	64.76
1926-1930	4.35	14.475	6.765	51.38	6.135	24.80	18.04	53,500	114.15
1931-1935	4.50	7.555	3.843	37.64	3.806	22.40	18.00	40,713	70.07
1936-1940	4.76	10.980	5.138	48.39	5.495	20.12	13.90	41,410	105.27
1941-1945	4.47	11.779	6.355	52.01	8.095	15.37	16.00	42,909	165.97
1946-1950	6.29	10.451	13.897	85.32	11.765	16.09	17.48	74,486	83.84
1951-1955	9.36	28.877	15.330	106.00	13.596	20.96	23.88	86,769	231.40
1947	5.55	20.058	14.673	77.95	10.500	15.00	16.51	71,820	83.74
1948	6.20	22.038	18.043	90.25	13.589	15.73	18.00	74,361	76.49
1949	7.20	19.202	15.364	99.34	12.144	17.00	18.00	71,930	79.46
1950	7.70	21.235	13.296	95.64	13.866	17.71	18.90	74,169	81.26
1951	8.30	24.200	17.500	127.08	18.000	19.00	21.00	89,368	210.13
1952	8.68	24.200	16.467	120.47	16.215	19.41	21.00	84,941	199.10
1953	9.80	28.798	13.489	95.85	10.855	20.98	24.38	85,188	193.03
1954	9.90	29.694	14.054	91.84	10.681	21.78	26.50	85,250	264.39
1955	10.10	37.491	15.138	94.74	12.229	23.67	26.50	89,099	290.35
1956	10.85	41.818	16.013	101.41	13.494	26.01	26.50	90,826	259.92

¹ Lake Superior, Mesabi, non-Bessemer.

² Lake copper, 1896-98; domestic market since 1932.

³ 99 percent tin, 1896-1919; Straits tin thereafter.

⁴ Prices 1896 to 1929 for pure aluminum (No. 1 virgin 98-99 percent); beginning 1930, for 99+ percent virgin ingot.

⁵ New York zinc. ⁶ 1897-1900.

⁷ 1903-05; average for New York zinc 1901-05, 5.058 cents.

⁸ 4-year average.

Source: Compiled from *Engineering and Mining Journal*; *The Iron Age*; and *Wholesale Prices* (Bureau of Labor Statistics).

No. 923.—MINERAL PRODUCTION—VALUE, 1945 TO 1954, AND RANK AND PRINCIPAL MINERALS IN ORDER OF VALUE, 1954, BY STATES AND FOR ALASKA

[In thousands of dollars]

STATE OR OTHER AREA	1945	1950	1952	1953	1954		
					Value	Rank	Principal minerals in order of value
Cont. U. S.	6,231,000	11,862,000	13,392,000	14,388,000	14,033,000	-----	Petroleum, coal, natural gas, cement.
N. E.	20,684	50,945	55,004	59,180	63,204	-----	Cement, sand and gravel, stone, slate.
Maine	2,523	7,461	8,981	10,503	10,716	44	Sand and gravel, stone, feldspar, mica.
N. H.	802	1,711	1,945	1,805	2,112	46	Stone, slate, asbestos, copper.
Vt.	8,249	18,563	17,891	20,302	20,483	41	Stone, sand and gravel, lime, clays.
Mass.	5,450	16,110	17,812	17,191	18,551	42	Sand, sand and gravel, lime, clays.
R. I.	508	1,425	1,250	1,462	1,461	47	Sand and gravel, stone, graphite.
Conn.	3,152	5,675	7,125	7,917	9,581	45	Sand and gravel, stone, lime, clays.
M. A.	1,033,177	1,389,613	1,383,852	1,360,435	1,166,088	-----	Cement, iron ore, stone, sand and gravel.
N. Y.	88,678	156,585	130,751	186,868	192,764	18	Cement, iron ore, stone, zinc, iron ore.
N. J.	31,267	46,816	57,468	51,945	47,014	34	Sand and gravel, stone, zinc, iron ore.
Pa.	913,232	1,186,212	1,145,633	1,121,622	926,280	4	Coal, cement, stone, natural gas.
E. N. C.	740,542	1,201,235	1,224,953	1,276,165	1,266,541	-----	Coal, stone, cement, lime.
Ohio	175,443	274,572	292,689	302,242	203,659	12	Coal, cement, petroleum, stone.
Ind.	88,802	166,632	162,031	169,781	165,369	19	Petroleum, coal, stone, sand and gravel.
Ill.	330,184	488,144	460,005	462,443	473,077	7	Iron ore, cement, petroleum, salt.
Mich.	123,896	230,194	254,518	236,487	230,150	14	Sand and gravel, stone, iron ore, cement.
Wis.	22,217	41,693	55,710	55,212	54,286	32	Petroleum, bauxite, sand and gravel.
W. N. C.	449,744	911,497	1,057,377	1,222,408	1,093,667	-----	Iron ore, sand and gravel, stone, cement.
Minn.	167,130	331,567	307,440	542,545	351,475	10	Cement, stone, sand and gravel, coal.
Iowa	25,008	41,773	52,481	51,994	58,798	30	Lead, cement, stone, lime.
Mo.	74,347	113,191	140,977	128,297	131,332	22	Petroleum, sand and gravel, natural-gas liquids, natural gas.
N. Dak.	4,505	9,614	12,057	10,237	22,223	40	Gold, sand and gravel, stone, cement.
S. Dak.	7,138	32,716	30,455	33,823	37,359	37	Petroleum, cement, sand and gravel, stone.
Nebr.	4,963	14,022	20,597	33,281	42,393	35	Petroleum, natural gas, cement, stone.
Kans.	166,644	368,614	403,370	413,231	449,587	8	Petroleum, natural gas, cement, stone.
S. A.	699,591	1,112,604	1,201,683	1,170,801	1,019,312	-----	Sand and gravel, stone, clays.
Del.	131	522	677	659	947	48	Sand and gravel, stone, cement, coal.
Md.	15,329	22,740	26,847	27,085	30,743	39	Clays.
D. C.	229	60	7	15	-----	Coal, stone, cement, sand and gravel.	
Va.	81,065	137,806	164,679	152,979	120,603	23	Coal, natural gas, stone, petroleum.
W. Va.	537,212	829,633	825,733	790,110	636,311	6	Stone, tungsten concentrate, sand and gravel, mica.
N. C.	14,766	26,338	34,726	38,451	37,747	43	Cement, clays, stone, sand and gravel.
S. C.	5,043	11,394	14,686	17,771	17,744	43	Clays, stone, cement, sand and gravel.
Ga.	19,988	43,394	51,450	51,395	55,303	31	Phosphate rock, stone, cement, clays.
Fla.	24,928	70,717	82,878	92,336	106,510	26	Petroleum, natural gas, sand and gravel, cement.
E. S. C.	439,753	812,281	759,635	774,747	695,082	-----	Petroleum, bauxite, sand and gravel, stone.
Ky.	250,919	459,956	380,446	381,742	327,503	11	Petroleum, natural gas, stone.
Tenn.	57,104	90,405	100,932	98,050	105,686	27	Coal, stone, cement, phosphate rock.
Ala.	110,360	158,975	158,382	157,087	151,330	20	Coal, iron ore, cement, stone.
Miss.	21,370	102,945	101,875	107,868	110,593	25	Petroleum, natural gas, sand and gravel, cement.
W. S. C.	1,665,690	4,014,800	4,967,252	5,419,243	5,509,167	-----	Petroleum, natural gas, sand and gravel, sulfur.
Ark.	58,262	119,642	117,687	127,090	131,745	21	Petroleum, natural gas, sand and gravel, sulfur.
La.	222,173	698,607	848,401	965,237	997,107	3	Petroleum, natural gas, natural-gas liquids, coal.
Okla.	243,314	527,095	621,351	679,003	650,153	5	Petroleum, natural gas, natural-gas liquids, coal.
Texas	1,141,941	2,674,456	3,379,813	3,647,913	3,730,162	1	Petroleum, natural gas, natural-gas liquids, sulfur.
Mt.	626,301	1,211,761	1,444,268	1,632,024	1,704,538	-----	Copper, petroleum, zinc, sand and gravel.
Mont.	68,587	103,625	122,069	132,184	126,412	24	Lead, silver, zinc, phosphate rock.
Idaho	44,349	79,329	77,848	67,000	69,693	29	Petroleum, coal, clays, sodium salts.
Wyo.	74,625	177,744	206,828	255,906	281,306	13	Petroleum, molybdenum, coal, cement.
Colo.	77,237	154,898	187,389	211,586	256,197	15	Petroleum, potassium salts, copper, natural gas.
N. Mex.	104,239	210,294	289,500	336,580	373,599	9	Copper, cement, zinc, gold.
Ariz.	98,584	207,406	231,702	256,616	252,959	17	Copper, coal, iron ore, molybdenum.
Utah	127,537	229,966	265,501	298,629	255,234	16	Copper, tungsten, manganese ore, sand and gravel.
Nev.	31,193	48,499	64,281	73,523	89,138	23	Petroleum, natural-gas liquids, natural gas, cement.
Pac.	555,728	1,126,971	1,297,943	1,472,989	1,515,309	-----	Cement, sand and gravel, stone, zinc, sand and gravel, cement, diatomite.
Wash.	31,301	49,055	56,139	54,577	53,300	33	Petroleum, natural-gas liquids, natural gas, cement.
Oreg.	9,493	21,542	26,674	24,449	32,268	33	Petroleum, natural-gas liquids, natural gas, cement.
Calif.	514,934	1,056,374	1,215,130	1,393,963	1,420,741	2	Petroleum, natural-gas liquids, natural gas, cement.
Alaska	10,174	17,852	26,302	24,252	24,412	-----	-----

¹ Excludes value of clays used for cement.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 924.—MINERAL PRODUCTION AND PRINCIPAL PRODUCING STATES: 1950 to 1954

[Value in thousands of dollars. Continental U. S. only. Data represent production as measured by mine shipments, mine sales, or marketable production (including consumption by producers). Excludes uranium ores and monazite. See also *Historical Statistics*, series G 1-5, 13-18, and 43-130.]

MINERAL	1950			1952			1953			1954			
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
Total mineral production.													
Asphalt and related bitumens (native); Bituminous limestone and sandstone—short tons—	3,522	\$1,570,638	4,688	1,440,544	5,232	1,388,000	5,100	1,249,000	5,100	1,143,000	5,100	9,900,000	
Gilsonite—	1,184	676	1,774	60,780	1,780	60,780	2,184	75,943	2,184	73,636	2,184	Tax, Ky., Okla., Ala.	
Carbon dioxide, natural (estimated)—	66,186	1,740	73,700	226	67,000	226	203	688,900	203	2,724	203	Utah, N. M., Wash.	
Coal—	472,334	3,359	478,137	2,276,159	483,137	453,578	2,232,690	386,797	2,232,690	1,749,539	2,232,690	W. Va., Pa., Ky., Ill.	
Bituminous ² —	512,529	2,489,229	512,529	2,489,229	512,529	2,489,229	512,529	2,489,229	512,529	10,330	512,529	Mont., Calif., N. Dak., S. Dak.	
Lignite—	3,370	8,112	3,017	7,212	3,017	6,794	4,233	10,330	4,233	247,870	4,233	Pa., Ky., Ill.	
Pennsylvania anthracite—	44,077	382,398	40,583	379,714	30,949	299,140	20,083	308,733	20,083	247,870	20,083	Pa.	
Helium (shipments)	80,889	1,028	145,810	1,806	157,652	2,103	188,873	2,103	188,873	2,103	188,873	Kans.	
Natural gas liquids—	6,282,050	408,532	8,013,457	623,649	8,396,916	774,966	8,742,546	882,501	8,742,546	882,501	8,742,546	Tex., La., Okla., Calif.	
Natural gasoline and cycle products—	4,006,518	321,832	5,102,244	371,468	5,327,448	406,242	5,385,282	402,418	5,385,282	402,418	5,385,282	Tex., Calif., La., Okla.	
LP-gases—	3,035,844	97,773	4,265,386	161,692	4,692,870	191,598	5,204,304	176,904	5,204,304	176,904	5,204,304	Tex., Calif., La., Okla.	
Petroleum (crude)—	1,000 (42-gal.) bbl.	1,973,574	1,143	210,582	1,730	204,209	1,618	243,257	1,618	243,257	1,618	Wash., Fla., Ohio, Mich.	
Bromine—	4,963,380	2,289,836	5,783,230	2,357,082	6,237,100	2,357,082	6,237,100	2,314,988	6,237,100	6,242,930	6,237,100	6,242,930	Tex., Calif., La., Okla.
Total nonmetallic minerals (except fuels).													
Abrasive stone: ³	1,822,000	—	2,163,000	—	2,163,000	—	2,342,000	—	2,342,000	—	2,718,000	—	
Grindstones and pulstones—short tons—	4,468	233	3,974	247	2,469	170	2,218	184	2,218	184	2,218	184	
Millstones—	(1)	11	(1)	9	(1)	18	(1)	18	(1)	18	(1)	18	
Pebbles (grinding)—	53	2,804	94	4,472	81	3,070	99	3,070	99	3,070	99	3,070	
Tube-and-liners (natural)—	1,523	63	1,739	68	2,119	69	933	59	933	59	933	59	
Asbestos—	42,434	2,925	53,864	4,713	54,446	4,857	47,621	4,688	47,621	4,688	47,621	Vt., Ariz., W. Va., Calif.	
Barite—	695,414	91,194	91,194	87,788	94,212	9,436	883,283	883,283	883,283	883,283	883,283	Ark., Mo., Nev., Ga.	
Boron minerals—	647,735	15,890	583,223	14,105	715,238	17,668	790,449	26,714	790,449	26,714	790,449	Calif.	
Bromine—	98,502	18,795	156,202	30,639	164,143	36,372	187,389	41,313	187,389	41,313	187,389	Tex., Mich., Calif., W. Va.	
Calcium-magnesium chloride—	299,821	3,802	(3)	637,746	260,697	698,268	411,018	733,413	411,018	733,413	411,018	733,413	
Cement—short tons [75-percent (Ca, Mg) Ch best]—	537,652	250,821	131,032	42,287	42,288	125,024	144,144	42,495	144,144	42,495	144,144	42,495	
Clays—	95,351	42,287	10,620	331,273	15,334	318,036	15,737	938	15,737	938	15,737	938	
Emery—	39,381	11,390	794	11,390	10,352	10,562	10,562	10,562	10,562	10,562	10,562	10,562	
Epsom salts from epsomite—	5,949	75	10,352	142	10,352	200	200	8	200	8	200	8	
Feldspar—long tons—	407,925	2,558	450,831	3,636	452,600	4,594	452,600	4,594	452,600	4,594	452,600	4,594	
Fluorspar—short tons—	301,510	10,620	331,273	15,334	318,036	15,737	318,036	15,737	318,036	15,737	318,036	15,737	
Garnet (abrasive)—	30,304	4,428	428	5,081	6,281	492	6,281	492	6,281	492	6,281	492	
Gem stones (estimated)—	(4)	450	(4)	605	605	(4)	605	(4)	605	(4)	605	(4)	
Graphite—	5,605	428	22,735	8,455,300	22,896	8,292,876	23,175	8,905,960	23,175	8,905,960	23,175	8,905,960	
Gypsum—	8,192,625	8,005,609	94,705	9,659,414	94,705	9,659,414	111,777	8,612,360	111,777	8,612,360	111,777	8,612,360	
Lime (open-market)—	7,462,109	82,847	—	—	—	—	—	—	—	—	—	—	

Principal producing States, in
order of quantity

Tax, Ky., Okla., Ala.
Utah, N. M., Wash.
N. C., Tenn.
Mont., Calif., N. Dak., S. Dak.

Pa., Ky., Ill.
Ohio, Mich.
Not available.

Minn., Wis., N. C., Tex.
Minn., Wis., N. C., Tex.
N. C., Calif.
Vt., Ariz., W. Va., Calif.
Nev., Ga.
Ark., Mo., Nev., Ga.

Calif., N. C., Calif., N. C., Calif.
Wash., N. Y.
Mich., Calif., W. Va., Ohio.
Pa., Calif., Tex., Calif.
Idaho, Calif., N. Dak., S. Dak., N. H.
Ohio, Pa., Calif., Ga.
N. Y.
Not available.

R. I.
Mich., Calif., N. Y.
Ohio, Pa., Calif., N. Y.
Not available.

Mich., Calif., W. Va., Ohio.
Pa., Calif., Tex., Calif.
Idaho, Calif., N. Y.
Ohio, Pa., Calif., Ga.
N. Y.
Not available.

Mich., Calif., N. C., Calif., N. C., Calif.
Ark., Mo., Nev., Ga.
Calif., N. C., Calif., N. C., Calif.
Wash., N. Y.
Mich., Calif., N. C., Calif., N. C., Calif.
Idaho, Calif., N. Y.
Ohio, Pa., Calif., N. Y.
Not available.

Lithium minerals	short tons								
Magnesite	do	15,611	1,052	(⁵)	281,015				
Magnesium compounds from sea water and brines (except for metal)	51,750	2,872	553,147	3,224					
Mari:	short tons (MgO equivalent)	3,091	9,393	136,824	10,460	111,716			
Calcareous (except for cement)	8,054	121,525	187	277,354	173	206,257			
Greensand	3,935	246	178	6,821	193	2,838			
Mica:	do	304	4,600						
Scrap:	1,748	75,286	1,954	73,259	1,824	81,073	1,734	N. C., Ga., Calif., Ariz.	
Sheet:	126	697,989	908	1,068,706	2,164	602,150	2,393	N. C., Conn., N. H., Ga.	
Olivine:	short tons								
Perlite:	do	59	(⁵)	(⁵)	(⁵)	219,703			
Phosphate rock	1,013	164,845	1,003	198,751	1,440	1,762	N. Mex., Nev., Colo., Calif.		
Potassium salts	1,276,164	63,334	1,20,085	72,459	76,632	86,619	Ph., Tenn., Idaho, Mont.		
Quartzite:	1,000 long tons (K ₂ O equivalent)	39,774	1,58,354	53,654	1,731,607	65,493	9,18,157	Calif., N. Mex., Calif., Utah, Mont.	
Pumice and pumicite:	short tons	719,356	2,661	50,7,044	2,207	1,588,206	2,510	7,935	
Pyrites:	long tons	951,163	4,039	904,917	4,922,647	5,006	908,715	Tenn., Calif., Va., Mont.	
Quartz from pegmatites and quartzite:	1,000 short tons	100,508	707	241,604	1,014	241,607	1,360	(⁵)	
Salt (common):	1,000 short tons	16,610	59,774	14,632	70,775	78,130	105,470	Mich., N. Y., La., Tex.	
Sand and gravel:	do	317,304	292,559	342,606	344,569	432,286	319,214	8,496,672	Calif., Mich., N. Y., Tex.
Sand and sandstone (ground):	short tons	750,673	6,463	792,802	6,923	784,792	6,874	(⁵)	
Slate:	do	930,370	15,047	739,640	12,707	698,680	12,638	12,981	Yt., Pa., Ga., N. Y.
Sodium carbonate (natural)	do	351,075	7,544	329,457	12,528	413,266	10,627	13,586	Calif., Wyo.
Sodium sulfate (natural)	do	186,537	2,109	236,825	3,217	248,230	3,341	3,850	Tenn., Tex., Wyo.
Stone:	1,000 short tons	260,814	383,147	301,736	460,116	302,288	473,380	7,6 (62,037) (00)	Ohio, Mich., Ill.
Strontrium minerals (crude)	short tons:								Calif.
Frasch-process mines:	long tons	5,504,714	104,000	5,141,392	110,925	5,224,202	141,054	5,328,040	Tex., La.
Other mines:	do	3,247	60	4,636	91	152,473	789	182,085	Calif.
Sulfur, recovered elemental	do	81,713	1,985	229,261	5,961	315,019	8,050	342,343	
Talc, pyrophyllite and soapstone	short tons:	11,620,750	11,621	11,536,147	11,347	12,161,638	12,524	12,433	Wyo., Tex., Ark., Calif., N. C., Vt.
Titanium-titanifer concentrate (non-titanium use)	do	43,720	(⁵)	1,174	1,043	1,835	8	(⁵)	Calif.
Tripoli:	do	208,096	2,122	208,906	2,058	36,183	1,139	41,625	Ill., Mo., Pa.
Vermiculite:	do	800	16	(⁵)	189,325	2,445	195,538	2,538	Mont., S. C., Ariz., N. C.
Wollastonite:	do		4,250		(⁵)	12,475	(⁵)	(⁵)	
Undistributed 13:				6,985				22,438	
Total metals		1,351,000			1,614,000		1,798,000		1,506,000
Antimony ore and concentrates									
Bauite:	short tons (dried equivalent)	6,888	1,443	4,484	2,161	1,343	4,686	(¹⁴)	Idaho, Nev.
Beryllium concentrate	long tons (gross weight)	1,384,527	7,693	1,067,047	10,776	1,579,739	1,994,896	12,3,433	Ark., Ala., Ga.
Chromite:	short tons (gross weight)	559	171	35,469	1,043	234	355	1,459	S. Dak., N. Mex., Ga., Colo.
Cobalt (content of ore):	pounds	404	(¹⁴)	21,304	1,777	58,717	3,433	2,160,412	Mont., Mont., Ore., Idaho, Pa.
		660,025	(¹⁴)	836,372	(¹⁴)	1,775,489	(¹⁴)	2,219,396	(¹⁴)

See footnotes at end of table.

MINING AND MINERAL PRODUCTS

No. 924.—MINERAL PRODUCTION AND PRINCIPAL PRODUCING STATES: 1950 TO 1954—Continued

[Value in thousands of dollars]

MINERAL	1950			1952			1953			1954		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Metals—Continued												
Columbium-tantalum concentrate												
pounds (gross weight)	1,000	\$2	5,385	17	14,867	30	32,829	57	S. Dak., Colo., N. Mex., N. H.			
Copper (recoverable content of ores, etc.)	378,284	925,359	447,874	926,448	531,731	835,468	492,927	492,927	Ariz., Utah, Nev., N. Mex.			
Gold (recoverable content of ores, etc.)	1,652,704	57,845	1,704,510	59,658	1,583,790	55,508	55,508	55,508	Utah, Calif., Ariz.			
Iron ore, usable (excluding byproduct iron smelter)	2,104,959	2							Minn., Mich., Ala., Utah,			
Iron, 900 long tons (gross weight)	97,151	483,388	97,236	590,347	117,198	790,491	76,090	525,416				
Lead (recoverable content of ores, etc.)	430,678	116,283	390,161	125,632	342,635	89,770	325,419	89,165	Mo., Idaho, Utah, Colo.			
Manganese ore (35 percent or more Mn)	134,451	6,230	115,379	8,252	157,536	12,480	206,128	15,176	Nev., Mont., Va., Ark.			
Manganese ore (5 to 35 percent Mn)	1,087,597	6,009	1,009,018	5,117	1,286,980	6,947	558,332	3,079	Minn., N. Mex., Mich., Nev.			
Manganeseiferous residuum	183,842	do	1,216,255	(14)	233,758	(14)	214,931	(14)	N.J.			
Mercury	4,535	76-pound flasks	369	12,619	2,493	14,287	2,760	17,497	4,626	Calif., Nev., Idaho, Oreg.		
Molybdenum (content of ore and concentrate)	44,544	37,729	42,717	40,846	53,823	52,362	61,105	64,070	Colo., Utah, Ariz., N. Mex.			
Silver (recoverable content of ores, etc.)	42,406	1,000 pounds	38,380	39,419	35,876	37,535	33,971	36,908	33,403	Idaho, Utah, Mont., Ariz.		
Tin (content of ore and concentrate)	15	long tons	31	17	45	(14)	(14)	(14)	Colo.			
Titanium concentrate:	452,370	5,608	522,515	8,023	512,176	7,223	531,895	7,375				
Anatase	(14)	do	(14)	(14)	6,476	703	7,805	870				
Rutile												
Tungsten concentrate	4,807	short tons (60-percent WO ₃ basis)	8,157	7,603	9,683	9,687	35,933	13,691	Calif., N. C., Colo.			
Zinc (recoverable content of ores, etc.)	623,369	178,667	666,001	222,882	547,450	473,721	473,721	102,180	Idaho, Mont., N. Y., Okla.			
Zirconium concentrate	(14)	do	(14)	(14)	21,234	26,782	17,959	820	Fla.			
Undistributed	15		10,219	do			30,174	36,279				

¹⁰ Less than \$1,000.¹¹ Sold or used by producers. Quantity and value of ground material included.¹² Mine production of crude material.¹³ Comprises aplite, brucite, diatomite, iodine, Kyanite, quartz crystal (1950), sharpening stones, and minerals indicated by footnote reference 5.¹⁴ Value included with "Metals, undistributed."¹⁵ Comprises magnesium chloride or magnesium metal, platinum-group metals (crude), vanadium, and minerals indicated by footnote reference 14.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.¹ Adjusted to eliminate duplication in the value of clays and stone.² Includes small quantity of anthracite mined in States other than Pennsylvania.³ Excludes sharpening stones, included with "Nonmetallic minerals, undistributed."⁴ Weight not recorded.⁵ Value included with "Nonmetallic minerals, undistributed."⁶ Includes clays sold or used for cement.⁷ Beginning 1954, quartz from pegmatites and quartzite included with sand and gravel or stone.⁸ Beginning 1954, sand and sandstone (ground) included with sand and gravel or stone.⁹ Excludes abrasive stone, bituminous limestone, bimimous sandstone, and saponite, stone, all included elsewhere in table. Also excludes limestone for cement and lime.

No. 925.—MINERAL PRODUCTION—INDEXES OF PHYSICAL VOLUME: 1947 TO 1956

[1947-49 average=100. The indexes shown here constitute a basic revision of the Federal Reserve index of industrial production. For details on composition and construction of the index, see *Federal Reserve Bulletin* December 1953. See also *Historical Statistics*, series G 6-8, for indexes on 1935-39 base.]

YEAR	All min- erals	MINERAL FUELS				METAL, STONE, AND EARTH MATERIALS		
		Coal		Crude oil and natural gas	Total	Metal mining	Stone and earth mat- erials	
		Total	Anthra- cite					
1947	100	101	113	109	113	95	98	101
1948	106	106	108	109	108	105	104	105
1949	94	93	79	82	79	99	97	94
1950	105	103	92	84	93	109	111	108
1951	115	114	94	82	96	123	121	116
1952	114	113	83	78	84	128	115	108
1953	116	115	78	57	81	133	119	113
1954	111	113	67	52	70	134	106	90
1955	122	123	80	48	85	143	120	110
1956	129	129	85	55	90	150	127	114

Source: Board of Governors of the Federal Reserve System. Totals and monthly data published in the *Federal Reserve Bulletin*.

No. 926.—RAW MATERIALS PRODUCTION, IMPORTS, EXPORTS, AND APPARENT CONSUMPTION, VALUE IN CONSTANT DOLLARS: 1900 TO 1952

[In millions of 1935-39 dollars]

ITEM AND YEAR	All raw mate- rials ¹	AGRICULTURAL MATERIALS			Forest prod- ucts	MINERALS			
		Total	Foods	Non- foods		Total ¹	Metallic ores ¹	Mineral fuels	
Production:									
1900	8,620	6,250	4,829	1,430	107	1,258	996	189	
1910	10,481	7,131	5,529	1,602	113	1,347	1,890	327	
1920	12,133	8,278	6,416	1,862	102	1,161	2,592	399	
1930	13,070	8,825	7,270	1,555	145	994	3,106	387	
1940	14,793	9,920	8,082	1,838	149	957	3,767	507	
1950	18,689	12,190	10,050	2,140	157	1,100	5,242	572	
1951	19,721	12,633	10,468	2,165	152	1,115	5,821	647	
1952	20,284	13,200	10,630	2,570	145	1,139	5,800	628	
Imports:									
1900	490	314	189	125	44	17	115	91	
1910	749	463	253	210	68	33	185	144	
1920	1,260	792	428	364	66	51	351	200	
1930	1,405	900	510	390	93	79	333	175	
1940	1,647	965	403	472	115	68	499	370	
1950	2,274	1,089	584	505	122	140	923	514	
1951	2,129	1,020	575	445	116	137	856	436	
1952	2,279	1,015	570	415	115	127	1,022	561	
Exports:									
1900	1,284	1,074	510	564	27	43	140	89	
1910	951	650	186	464	39	49	213	130	
1920	1,470	1,074	635	439	33	35	328	137	
1930	1,316	848	359	439	32	58	378	152	
1940	893	455	173	292	30	34	374	170	
1950	1,382	1,020	541	479	22	28	312	92	
1951	1,773	1,276	816	460	27	31	439	107	
1952	1,538	1,066	639	377	23	24	425	117	
Apparent consump- tion:²									
1900	7,826	5,499	4,508	991	124	1,232	971	191	
1910	10,279	6,944	5,596	1,348	142	1,331	1,362	341	
1920	11,923	7,996	6,209	1,787	135	1,177	2,615	462	
1930	13,159	8,877	7,421	1,456	206	1,015	3,061	410	
1940	15,547	10,430	8,402	2,028	234	991	3,892	707	
1950	19,581	12,259	10,093	2,166	257	1,212	5,853	994	
1951	20,077	12,377	10,227	2,150	241	1,221	6,238	976	
1952	21,025	13,149	10,511	2,638	237	1,242	6,397	1,072	

¹ Excludes gold. ² Represents "production" plus "imports," minus "exports."

Source: Department of Commerce, Bureau of the Census; *Raw Materials in the United States Economy: 1900-1952* (Working Paper No. 1).

No. 927.—MINERAL INDUSTRIES—

[In thousands, except number of employees. For 1939 excludes establishments with value of

MINERAL INDUSTRY	VALUE OF SHIPMENTS ¹		ALL EMPLOYEES			
	1939	1954	Number ²		Payroll ³	
			1939	1954	1939	1954
1 All industries.....	\$3,407,239	\$14,800,810	8,841,044	754,238	\$1,158,079	\$3,196,528
2 Metal mining.....	539,784	\$1,505,008	10,100,135	97,858	10,153,917	447,825
3 Iron ores.....	150,872	548,451	22,651	32,174	33,326	144,035
4 Copper ores.....	11 145,590	11 508,729	26,752	27,813	42,564	136,065
5 Lead and zinc ores.....	11 72,648	11 175,947	17,725	16,566	25,337	71,363
6 Lead ores.....	(12)	4,581	(12)	578	(12)	2,215
7 Zinc ores.....	(12)	11,661	(12)	1,922	(12)	8,283
8 Lead-zinc ores.....	(12)	159,705	(12)	14,066	(12)	60,865
9 Gold and silver ores.....	142,261	46,581	27,586	4,831	45,088	20,618
10 Lode gold.....	92,942	28,517	19,254	3,020	31,375	12,269
11 Placer gold.....	28,027	5,916	3,705	556	6,794	2,311
12 Silver ores.....	21,292	12,148	4,627	1,255	6,919	6,038
13 Bauxite.....	2,527	16,819	827	852	819	3,581
14 Ferro-alloy ores, excl. vanadium.....	19,757	152,277	2,493	7,807	3,996	36,807
15 Manganese ores.....	945	11 32,123	545	2,532	557	9,046
16 Tungsten ores.....	3,354	11 60,737	844	2,987	1,368	14,758
17 Molybdenum, chromium, cobalt, and nickel ores.....	15,458	59,417	1,104	2,288	2,061	13,003
18 Metal mining contract services.....	2,868	37,627	695	2,943	985	14,713
19 Miscellaneous metal ores.....	3,761	8 18,577	1,339	4,872	1,708	20,643
20 Anthracite mining.....	201,126	408,720	88,592	35,914	120,050	127,836
21 Anthracite.....	11 189,648	11 365,536	85,713	31,212	115,360	109,881
22 Anthracite stripping contract services.....	10,936	42,337	2,646	4,565	3,915	17,476
23 Anthracite contract services, excl. strip mining.....	542	847	233	137	275	479
24 Bituminous coal and lignite mining.....	731,427	2,062,590	390,778	215,507	476,676	851,493
25 Bituminous coal.....	11 727,958	11 2,034,600	388,955	213,497	474,747	842,557
26 Lignite.....	3,457	10,387	1,595	574	1,603	2,558
27 Bituminous coal and lignite mining contract services.....	612	17,543	228	1,436	326	6,048
28 Crude petroleum and natural gas extraction.....	1,659,831	9,242,926	186,150	292,387	318,382	1,325,277
29 Crude petroleum, natural gas, and natural gas liquids.....	1,472,292	7,677,805	146,388	167,934	253,103	783,843
30 Crude petroleum.....	1,375,954	6,636,537	136,051	140,120	234,899	658,431
31 Natural gas.....		400,846	10,474		40,355	
32 Natural gasoline.....	96,338	11 507,655	10,337	15,045	18,284	73,359
33 Cycle condensate.....		132,767	2,295			11,698
34 Oil and gas-field contract services.....	187,539	1,565,121	39,762	124,453	65,219	541,434
35 Nonmetallic minerals, excl. fuels, mining.....	275,071	1,581,566	14 75,055	112,572	14 87,963	444,097
36 Dimension stone ¹⁵	6,356	18,928	2,890	3,224	3,007	8,625
37 Crushed and broken stone ¹⁶	79,606	465,254	26,575	37,195	29,213	143,602
38 Sand and gravel ¹⁷	79,403	466,015	19,777	38,406	25,215	146,820
39 Clay, ceramic, and refractory minerals ¹⁸	18,376	103,768	7,986	8,231	6,992	26,504
40 Natural abrasives, excl. sand.....	1,335	4,474	443	285	479	1,161
41 Chemical and fertilizer mineral mining.....	74,090	457,036	12,231	21,135	17,270	96,233
42 Barite.....	2,065	18,269	854	1,125	752	3,874
43 Fluorspar.....	3,398	11 15,040	1,396	1,187	1,362	4,495
44 Potash, soda, and borate minerals.....	17,031	107,752	2,438	6,168	4,756	32,490
45 Phosphate rock.....	12,286	11 117,853	3,754	5,430	3,729	21,527
46 Rock salt.....	6,896	35,658	1,561	1,925	1,974	8,671
47 Sulfur.....	31,812	140,685	2,024	3,864	4,456	19,465
48 Chemical and fertilized mineral mining, not elsewhere classified.....	602	21,779	204	1,427	241	5,811
49 Nonmetallic minerals, excl. fuels, contract services.....	966	6,571	335	639	368	2,327
50 Misc. nonmetallic minerals, excl. fuels.....	14,939	50,520	4,660	5,457	5,103	18,825

¹ Represents value of shipments of primary and secondary products of the industry and amount received for contract services performed for other establishments. Figures for 1939 represent value of production.² Excludes proprietors and firm members of unincorporated concerns.³ Gross earnings paid to all employees on payroll.⁴ Represents employees up through the working foreman level engaged in manual work.⁵ Excludes paid vacations, holidays, and sick leave; includes actual overtime hours, not straight-time equivalent hours.⁶ Computed by subtracting cost of supplies, minerals received for preparation, fuel, electric energy, contract work, and purchased machinery from the value of shipments and capital expenditures. For 1939, comparable data not available for capital expenditures or for cost of purchased machinery and equipment.⁷ Represents horsepower of all prime movers plus horsepower of electric motors driven by purchased energy.⁸ Excludes figures for uranium-radium-vanadium ores industry (not available).⁹ Includes statistics for employees at central offices not classified by industry.¹⁰ Includes statistics for nonproducing metal mining establishments not classified by industry.

SUMMARY: 1939 AND 1954

production and with expenditures less than \$2,500; for 1954, less than \$500. 1954 data are preliminary]

PRODUCTION AND DEVELOPMENT WORKERS ⁴								VALUE ADDED IN MINING ⁵		Capital expenditures, 1954		AGGREGATE HORSEPOWER ⁷	
Number		Man-hours ⁵		Wages				1939	1954	1939	1954	1939	1954
1939	1954	1939	1954	1939	1954	1939	1954						
759,452	644,965	1,257,713	1,248,287	\$955,207	\$2,567,884	\$2,675,536	\$11,455,056	\$2,680,871	13,885	40,863	1		
10 89,791	81,702	10 190,834	167,912	10 127,111	352,537	417,024	1,074,725	220,437	10 2,263	5,131	2		
20,377	28,207	38,513	53,286	27,431	119,661	133,391	436,859	84,952	600	1,810	3		
23,844	21,544	51,241	46,676	34,486	98,491	108,495	334,876	82,210	753	1,645	4		
15,731	13,502	32,481	27,554	20,253	53,676	47,310	107,409	11,520	353	750	5		
(12)	475	(12)	903	(12)	1,726	(12)	3,415	575	(12)	29	6		
(12)	1,308	(12)	2,383	(12)	4,406	(12)	7,733	2,339	(12)	65	7		
(12)	11,809	(12)	24,268	(12)	47,544	(12)	96,261	8,606	(12)	656	8		
25,075	4,200	58,665	9,363	38,953	17,406	104,798	35,354	3,747	445	212	9		
17,591	2,634	41,522	5,894	27,304	10,406	66,523	21,884	2,177	291	112	10		
3,228	501	8,088	1,255	5,632	1,997	21,935	3,614	504	110	64	11		
4,256	1,065	9,055	2,214	6,017	5,003	16,340	9,856	1,066	44	36	12		
727	601	1,176	1,288	578	2,529	1,965	12,827	310	13	49	13		
2,168	6,742	4,886	14,933	3,096	30,993	16,405	106,086	14,993	56	371	14		
504	2,209	959	4,178	483	7,461	706	17,982	3,195	5	107	15		
701	2,635	1,639	6,327	1,114	13,148	2,427	40,746	6,326	15	157	16		
903	1,898	2,088	4,428	1,499	10,384	13,272	47,358	5,472	36	107	17		
637	2,773	1,344	6,309	853	13,524	1,822	26,047	2,359	23	149	18		
1,182	3,983	2,622	8,503	1,390	16,257	2,838	15,267	20,346	19	244	19		
83,112	33,058	124,462	48,282	107,798	114,042	189,024	197,555	10,716	1,092	1,469	20		
80,429	28,823	120,085	42,061	104,378	98,677	181,419	167,452	7,884	1,019	1,074	21		
2,461	4,106	4,038	6,054	3,166	14,920	7,126	29,417	2,759	71	394	22		
222	129	339	167	254	445	479	666	73	2	1	23		
370,944	199,548	545,702	325,123	432,188	763,039	610,674	1,418,595	120,287	3,373	6,567	24		
369,265	197,722	542,310	321,778	430,564	755,371	607,318	1,397,033	117,242	3,344	6,316	25		
1,480	505	3,027	901	1,384	2,177	2,879	9,093	639	21	81	26		
199	1,321	365	2,444	240	5,491	477	12,469	2,400	8	170	27		
148,996	233,616	265,028	492,249	220,435	974,793	1,242,473	17,582,620	2,182,435	5,101	20,068	28		
113,837	123,042	207,308	244,848	168,912	525,505	1,129,498	6,536,132	2,005,555	4,169	12,077	29		
105,505	{ 101,409 8,073 }	{ 190,074 15,365 }	{ 201,621 15,365 }	{ 155,700 15,365 }	432,985	{ 1,071,089 28,537 }	{ 5,743,997 306,198 }	{ 1,775,722 119,874 }	{ 3,397 3,397 }	{ 8,676 499 }	{ 30 31 }		
8,332	{ 11,740 1,820 }	{ 16,634 3,733 }	{ 24,119 3,733 }	{ 13,212 3,733 }	55,114	{ (18) (18) }	{ (18) (18) }	{ 102,277 7,682 }	{ 772 772 }	{ 2,536 366 }	{ 32 33 }		
35,159	110,574	57,720	247,401	51,523	449,288	{ (18) 1,046,488 }	{ 176,880 932 }	{ 7,991 7,991 }	{ 34 34 }				
14 66,609	97,041	14 131,687	214,721	14 67,675	363,473	216,341	1,181,551	146,996	14 2,056	7,628	35		
2,725	3,068	5,216	5,893	2,650	7,938	5,283	15,138	947	59	91	36		
24,110	33,124	46,973	55,559	23,652	122,499	59,356	337,606	45,034	834	2,702	37		
16,959	30,533	35,785	70,103	18,822	118,966	61,935	355,729	46,087	699	3,212	38		
7,233	7,464	12,805	15,377	5,429	22,486	14,423	78,437	9,062	33	356	39		
333	251	797	524	346	932	1,115	3,681	398	5	10	40		
10,536	17,264	21,062	36,347	12,230	73,215	61,683	340,188	37,494	276	920	41		
792	1,036	1,430	2,403	597	3,451	1,652	14,051	1,012	10	67	42		
1,287	969	2,505	1,944	1,134	3,343	2,056	9,666	733	21	49	43		
2,049	4,736	4,388	9,359	3,445	23,024	13,330	82,210	8,920	61	187	44		
3,372	4,578	6,680	10,127	2,871	17,087	9,003	62,020	11,338	113	356	45		
1,380	1,659	2,608	3,861	1,434	7,117	5,721	30,013	2,186	23	48	46		
1,517	3,077	3,081	6,220	2,545	14,619	28,863	124,155	8,845	45	161	47		
189	1,209	348	2,424	204	4,569	458	18,073	4,455	3	52	48		
307	614	632	1,258	320	2,214	725	4,884	381	18	39	40		
4,120	4,723	8,064	9,660	4,029	15,223	11,821	44,919	7,593	75	235	50		

¹¹ Represents gross shipments from these industries and contains duplication due to inclusion of shipments to other establishments in same industries for further processing.¹² Not available.¹³ Partly estimated figures in specific industries included in totals.¹⁴ Includes statistics for nonproducing nonmetallic minerals, except fuels, establishments not classified by industry.¹⁵ Excludes data for dimension stone quarries operated in conjunction with dressing plants.¹⁶ Excludes data for quarries included in establishments classified in manufacturing and wholesale trade industries.¹⁷ For 1954, excludes data for sand and gravel mining in establishments classified in manufacturing and wholesale trade industries.¹⁸ For 1954, excludes data for clay mining in clay products establishments classified in manufacturing industries.Source: Department of Commerce, Bureau of the Census; *Census of Mineral Industries: 1954*, Series MI releases.

No. 928.—IMPORTS AND EXPORTS OF PRINCIPAL MINERAL PRODUCTS: 1953 TO 1955

MINERAL	QUANTITY				VALUE (\$1,000)		
	Unit	1953	1954	1955	1953	1954	1955
IMPORTS FOR CONSUMPTION							
Fuels: Petroleum, crude.....	1,000 barrels.....	287,908	242,645	294,096	509,851	544,550	654,788
Nonmetallic minerals:							
Asbestos.....	Short tons.....	692,246	678,390	740,423	59,754	55,857	60,958
Diamonds:							
Gem.....	1,000 carats.....	1,175	1,482	1,774	107,573	122,182	151,632
Industrial.....	do.....	13,518	13,989	15,105	48,989	48,521	66,107
Mica.....	Short tons.....	10,989	8,924	16,490	15,262	8,710	11,269
Ores and concentrates:							
Bauxite.....	Long tons.....	4,390,576	5,258,530	5,225,188	29,555	36,289	36,656
Chromite.....	Short tons.....	2,226,631	1,470,068	1,832,879	56,082	34,197	38,063
Copper.....	Short tons of metal.....	101,589	120,471	112,519	55,898	66,053	73,355
Iron ore.....	1,000 long tons.....	11,086	15,793	23,476	96,842	119,463	177,473
Lead.....	Short tons of metal.....	67,585	197,167	156,877	15,391	48,306	38,272
Manganese ore.....	1,000 short tons.....	3,302	2,355	2,451	105,673	77,030	71,835
Nickel ¹	Short tons of metal.....	46,455	46,400	41,985	32,081	30,592	33,158
Tin.....	Long tons of metal.....	35,973	22,140	20,112	82,713	41,725	36,773
Tungsten.....	Short tons of metal.....	14,030	12,094	10,350	91,602	76,251	56,155
Metals (incl. scrap): ²							
Aluminum.....	Short tons.....	327,549	230,095	218,503	128,834	88,248	91,088
Copper.....	do.....	281,940	219,934	214,938	186,209	129,250	163,211
Lead ³	do.....	384,891	283,031	283,952	97,830	71,042	78,130
Nickel.....	do.....	55,579	97,707	109,868	102,750	124,454	149,618
Platinum group.....	Troy ounces.....	588,172	561,134	968,820	35,973	32,427	45,347
Tin ⁴	Long tons.....	81,424	71,406	70,903	187,614	142,504	141,985
Zinc.....	Short tons.....	233,568	162,375	196,123	50,838	34,091	46,669
EXPORTS							
Fuels:							
Anthracite.....	1,000 short tons.....	2,724	2,851	3,152	51,882	51,690	48,420
Bituminous coal.....	do.....	33,760	31,041	51,277	283,231	252,621	436,559
Petroleum, crude.....	1,000 barrels.....	19,932	13,599	11,570	59,970	45,026	38,650
Nonmetallic minerals:							
Cement, hydraulic.....	do.....	2,551	1,859	1,795	9,347	6,652	7,067
Phosphate rock.....	Long tons.....	2,100,798	2,385,013	2,267,655	18,368	21,169	20,301
Potash material.....	Short tons.....	88,207	117,385	229,302	3,936	5,463	9,203
Sulfur ⁵	1,000 long tons.....	1,242	1,645	1,601	34,554	50,362	48,708
Metals (incl. scrap): ²							
Aluminum ⁶	Short tons.....	6,957	43,382	24,259	2,413	14,676	9,274
Copper ⁶	do.....	180,381	388,273	277,026	100,383	209,327	197,450
Iron and steel, scrap ⁷	1,000 short tons.....	304	1,681	5,155	10,065	50,514	177,188
Molybdenum ⁶	Short tons.....	11	17	11	13	37	19
Nickel ⁶	do.....	14,712	13,759	19,964	9,674	10,865	15,610
Zinc ⁶	do.....	19,449	42,139	39,889	4,944	7,550	6,501

¹ Includes matte and oxide.² Excludes semifabricated forms.³ Includes alloys in chief value of lead.⁴ Includes alloys in chief value of tin.⁵ Includes crude (containing 85 percent or more sulfur), crushed, ground, refined, sublimed, and flowers.⁶ Includes alloys.⁷ Includes tin plated and terne plated scrap.

Source: Department of Commerce, Bureau of the Census.

No. 929.—EMPLOYMENT AND INJURIES IN MINERAL INDUSTRIES, BY INDUSTRY GROUP: 1915 TO 1955

[1955 data for coal mines are preliminary. Excludes data on petroleum, natural gas, sand and gravel, clay, iron smelting and steel industries. See also *Historical Statistics*, series G 131-158]

ITEM	1915	1920	1930	1940	1945	1950	1954	1955
Men working daily, total ¹	1,067,817	1,095,063	888,514	801,926	637,220	719,862	515,640	(2)
Coal mines	734,008	784,621	644,006	533,267	437,921	483,239	283,705	236,200
All other mines	152,118	136,583	103,233	120,120	71,665	80,269	79,420	(2)
Quarries	100,740	86,488	80,633	79,509	58,180	85,730	78,910	75,980
Coke plants	31,060	28,139	19,855	19,962	22,987	24,347	19,209	20,681
Metallurgical plants	49,891	59,232	40,787	49,068	46,467	46,277	54,396	(2)
Average active days, total	231	249	217	219	271	221	222	(2)
Coal mines	209	230	192	199	259	189	175	216
All other mines	280	296	270	242	289	275	251	(2)
Quarries	246	267	255	240	264	272	273	275
Coke plants	303	319	347	339	344	341	342	352
Metallurgical plants	333	332	327	295	329	314	307	(2)
Man-days worked, total 1,000 days	246,847	272,526	192,525	175,665	172,672	159,442	114,315	(2)
Coal mines	153,479	180,385	123,804	106,239	113,424	91,231	49,598	51,087
All other mines	42,599	40,362	27,870	29,046	20,689	22,034	19,931	(2)
Quarries	24,734	23,127	20,559	19,122	15,376	23,346	21,506	20,864
Coke plants	9,424	8,976	6,881	6,774	7,915	8,292	6,567	7,279
Metallurgical plants	16,611	19,676	13,321	14,484	15,268	14,589	16,713	(2)
Man-hours worked, total 1,000 hours	(2)	(2)	(2)	1,385,128	1,437,533	1,259,437	909,977	(2)
Coal mines	1,336,279	1,451,162	1,102,902	840,416	958,591	711,390	387,950	400,870
All other mines	(2)	(2)	(2)	230,728	165,908	176,221	160,053	(2)
Quarries	231,512	216,465	186,502	147,244	127,168	189,535	175,817	170,808
Coke plants	(2)	86,070	55,960	53,624	64,375	65,861	52,482	58,164
Metallurgical plants	(2)	(2)	(2)	113,116	121,491	116,430	133,675	(2)
Number of injuries:								
Fatal	3,076	2,985	2,493	1,716	1,270	843	549	(2)
Coal mines	2,269	2,272	2,063	1,388	1,068	643	396	417
All other mines	553	425	271	223	112	103	95	(2)
Quarries	148	178	105	72	53	54	34	53
Coke plants	38	49	28	15	18	14	8	9
Metallurgical plants	68	61	25	18	19	20	16	(2)
Nonfatal	(2)	(2)	126,740	80,856	73,411	53,229	30,334	(2)
Coal mines	(2)	(2)	99,981	57,776	57,117	37,264	17,718	19,570
All other mines	35,295	32,562	15,594	14,766	8,087	7,849	5,950	(2)
Quarries	9,671	11,217	7,417	5,188	4,121	4,762	3,834	3,778
Coke plants	2,852	3,415	1,022	544	835	780	254	325
Metallurgical plants	7,813	8,863	2,726	2,582	3,271	2,574	2,578	(2)
Permanent	(2)	(2)	3,684	2,912	1,707	1,707	1,138	(2)
Coal mines	(2)	(2)	2,728	2,151	1,109	963	490	(2)
All other mines	609	357	503	423	310	300	293	(2)
Quarries	523	337	265	172	89	172	143	169
Coke plants	(2)	79	32	22	34	31	31	34
Metallurgical plants	(2)	149	150	144	165	241	181	(2)
Injury rates per million man-hours:								
Fatal	(2)	(2)	(2)	1.24	0.88	0.67	0.60	(2)
Coal mines	1.69	1.57	1.87	1.65	1.11	0.90	1.02	1.04
All other mines	(2)	(2)	(2)	0.97	0.68	0.58	0.59	(2)
Quarries	0.64	0.82	0.56	0.49	0.42	0.28	0.19	0.31
Coke plants	(2)	0.57	0.50	0.23	0.28	0.21	0.15	0.15
Metallurgical plants	(2)	(2)	(2)	0.16	0.16	0.25	0.60	(2)
Nonfatal	(2)	(2)	(2)	58.37	51.07	42.26	33.38	(2)
Coal mines	(2)	(2)	90.65	68.75	59.58	52.38	45.67	48.82
All other mines	(2)	(2)	(2)	64.00	48.62	44.54	37.18	(2)
Quarries	41.77	51.82	39.77	35.23	32.41	25.12	21.81	22.12
Coke plants	(2)	39.68	18.26	10.14	12.97	11.84	4.84	5.59
Metallurgical plants	(2)	(2)	(2)	22.83	26.92	22.11	19.29	(2)
Injury rates per thousand 300-day workers, for all mines except coal:								
Fatal	3.89	3.16	2.92	2.30	1.62	1.40	1.43	(2)
Nonfatal	248.56	242.02	167.86	152.51	116.66	106.87	89.56	(2)

¹ Average number of men at work each day mine was active. Because absenteeism and labor turnover are taken into consideration, this number is lower than number of men available for work as measured by a count of names on payroll.

² Not available.

No. 930.—COAL—PRODUCTION, CONSUMPTION, IMPORTS, AND EXPORTS: 1910 TO 1955

[Quantities in thousands of short tons, except as indicated; values in thousands of dollars. 1955 data for bituminous coal are preliminary. Includes coal consumed at mines. See also *Historical Statistics*, series G 13-42.]

ITEM	1910	1920	1930	1940	1945	1950	1954	1955
Total coal production:								
Quantity	501,596	658,265	536,911	512,257	632,551	560,388	420,789	490,838
Value, total	629,557	2,564,185	1,150,057	1,084,817	2,092,148	2,892,772	2,014,464	2,292,301
BITUMINOUS COAL¹								
Production:								
Quantity	417,111	568,667	467,526	460,772	577,617	516,311	391,706	464,633
Value, total	469,282	2,129,933	795,483	879,327	1,768,204	2,500,374	1,766,594	2,080,204
Average per ton	1.12	3.75	1.70	1.91	3.06	4.84	4.51	4.49
Exports:								
Quantity	12,078	38,517	15,877	16,466	27,956	25,468	31,041	51,256
Value	26,685	304,273	59,186	60,832	147,954	206,515	252,621	436,559
Imports:								
Quantity	2,225	1,245	241	372	467	347	199	337
Value	4,761	6,734	1,135	1,501	2,294	2,369	893	1,586
Consumption	508,505	454,990	430,910	559,567	454,202	363,060	423,412	
Number of mines	5,818	8,921	5,891	6,324	7,033	9,429	6,130	7,756
Average number of men employed	555,533	639,547	493,202	439,075	383,100	2415,582	227,397	209,600
Calculated capacity ² (millions of net tons):								
At 308 days per year	592	796	770	703	682	867	663	650
At 280 days per year	538	725	700	639	620	790	603	600
At 261 days per year	502	675	653	595	578	734	562	559
Average number of days worked	217	220	187	202	261	183	182	217
Average tons per man:								
Per day	3.46	4.00	5.06	5.19	5.78	6.77	9.47	10.32
Per year	751	881	948	1,049	1,508	1,239	1,724	2,239
Percent underground production:								
Cut by machines	41.7	60.7	81.0	88.4	90.8	91.8	94.5	93.3
Mechanically loaded			10.5	35.4	56.1	69.4	84.0	84.6
Percent total production:								
Mechanically cleaned	3.8	3.3	8.3	22.2	25.6	38.5	59.4	60.7
Mined by stripping		1.5	4.3	9.4	19.0	23.9	25.1	24.8
ANTHRACITE (PA.)³								
Production:								
Quantity	84,485	89,598	69,885	51,485	54,934	44,077	29,083	26,205
Value, total	160,275	434,252	354,574	205,490	323,944	392,398	247,870	206,007
Average per ton	1.90	4.85	5.11	3.99	5.90	8.90	8.52	7.88
Exports:								
Quantity	3,384	5,404	2,552	2,668	3,691	3,892	2,851	3,152
Value	14,785	46,538	24,509	21,210	36,435	62,502	51,699	48,429
Imports:								
Quantity	9	32	675	135	(*)	18	6	(*)
Value	42	258	4,376	976	1	255	105	1
Consumption (apparent)	81,110	85,786	67,628	49,000	51,600	39,900	26,900	23,600
Average number of men employed	169,497	145,074	150,804	91,313	72,842	72,624	48,996	(*)
Average number of days worked	220	271	208	186	269	211	164	(*)
Average tons per man:								
Per day	2.17	2.28	2.21	3.02	2.79	2.83	4.02	(*)
Per year	498	618	460	562	751	597	659	(*)
Quantity cut by machines	670	938	1,410	1,816	1,210	612	381	394
Quantity mined by stripping		2,054	2,536	6,353	10,056	11,834	7,940	7,704
Quantity loaded mechanically underground			4,468	12,326	13,928	12,336	6,978	6,661
World total, bituminous coal, lignite and anthracite	1,285,295	1,453,948	1,558,668	1,983,057	1,494,734	1,997,388		

¹ Data relate to mines having output of 1,000 tons a year or more, including lignite and small output of anthracite produced outside Pennsylvania. Includes Alaska. ² Average number of men working daily.

³ Capacity of active mines with existing labor force, derived on basis of average output per day.

⁴ Includes 5.7 percent and 8.0 percent for 1954 and 1955, respectively, mined by continuous mining machines (not available for earlier years).

⁵ Beginning 1948, production data include some bootleg coal purchased by anthracite industry for preparation and shipment to market. Data on employment, however, exclude such purchased coal, as complete employment data on "bootleg" holes are not available. Data after 1950 not strictly comparable with prior years.

⁶ Less than 500 tons. ⁷ Not available. ⁸ For 1911.

No. 931.—COAL—PRODUCTION, BY STATES: 1931 TO 1955

[In thousands of short tons. 1955 data for bituminous are preliminary. Includes coal consumed at mines. See also *Historical Statistics*, series G 13 and 16]

STATE	1931- 1935, avg.	1936- 1940, avg.	1941- 1945, avg.	1946- 1950, avg.	1951	1952	1953	1954	1955
Total quantity	405,108	468,860	636,037	595,972	576,335	507,423	488,240	420,789	490,838
Anthracite (Pa.)	53,674	51,101	50,105	52,323	42,670	40,583	30,949	29,083	26,205
Bituminous	351,434	417,758	576,842	543,649	533,665	466,841	457,290	391,706	464,633
Alabama	9,262	12,620	17,783	16,278	13,597	11,383	12,532	10,283	13,088
Arkansas	1,012	1,387	1,821	1,439	1,107	873	775	477	578
Colorado	5,711	6,435	7,830	5,360	4,103	3,623	3,575	2,900	3,568
Illinois	40,198	48,367	65,442	60,034	54,200	45,790	46,010	41,971	45,932
Indiana	14,386	17,232	25,216	21,500	19,451	16,350	15,812	13,400	16,149
Iowa	3,492	3,376	2,569	1,752	1,630	1,381	1,388	1,197	1,258
Kansas	2,270	2,949	3,654	2,386	1,961	2,029	1,715	1,372	742
Kentucky	38,130	44,970	64,020	74,791	74,972	66,114	65,060	56,964	69,020
Maryland	1,654	1,496	1,854	1,406	589	588	530	422	512
Michigan	492	510	195	26	7				
Missouri	3,624	3,577	3,947	3,720	3,260	2,955	2,393	2,514	3,232
Montana ²	2,396	2,871	4,245	3,017	2,345	2,070	1,873	1,491	1,247
New Mexico	1,338	1,378	1,600	1,164	783	760	514	123	201
North Dakota	1,750	2,161	2,447	2,901	3,224	2,934	2,803	(1)	3,102
Ohio	19,151	22,188	32,190	35,458	37,949	36,209	34,737	32,469	37,870
Oklahoma	1,368	1,444	2,623	3,046	2,223	2,193	2,168	1,915	2,164
Pennsylvania	86,592	101,556	138,876	120,441	108,164	89,181	93,331	72,010	85,713
Tennessee	4,062	5,197	7,184	5,520	5,401	5,265	5,467	6,429	7,053
Texas	1,738	2,816	2,200	2,48				(1)	(1)
Utah	2,846	3,373	6,012	6,613	6,136	6,140	6,544	5,008	6,296
Virginia	8,923	13,324	19,121	17,190	21,400	21,579	19,119	16,387	23,508
Washington	1,555	1,744	1,641	1,020	857	844	690	619	610
West Virginia	95,748	112,932	154,335	151,153	163,310	141,713	134,105	115,996	139,168
Wyoming	4,545	5,617	8,664	6,899	6,430	6,088	5,245	2,831	2,927
Other States and Alaska	201	238	374	476	557	729	904	686	695

¹ Total for bituminous includes 4,243,000 tons of lignite coal in Montana, North Dakota, and Texas not shown separately, to avoid disclosure of individual operations.

² Bituminous and lignite, except bituminous only in 1954. See footnote 1.

³ Lignite only.

⁴ Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*. Current data also published in annual bulletin, *Bituminous Coal and Lignite*.

No. 932.—CONSUMPTION OF BITUMINOUS COAL AND LIGNITE, BY CONSUMER CLASS, WITH RETAIL DELIVERIES: 1940 TO 1955

[In thousands of short tons]

YEAR	Total of classes shown	Elec- tric power utili- ties ¹	Bunker, foreign trade ²	Rail- roads (class I) ³	COKE		Steel and rolling mills	Cem- ment mills ⁴	Other indus- trial plants ⁵	Retail- dealer deliv- eries ⁵
					Bee- hive ovens	By- prod- uct ovens				
1940	430,910	49,126	1,426	85,130	4,803	76,583	10,040	5,633	110,469	87,700
1945	559,567	71,603	1,785	125,120	8,135	87,214	10,084	4,215	129,606	121,805
1949	445,588	80,610	874	68,123	5,354	85,882	7,451	7,988	98,957	90,299
1950	454,202	88,262	717	60,969	9,088	94,757	7,698	7,943	98,164	86,604
1951	468,904	101,898	890	54,005	11,418	102,030	7,973	8,525	105,634	76,531
1952	418,757	103,309	723	37,962	6,912	90,702	6,820	8,073	95,863	68,393
1953	426,798	112,283	605	27,735	8,226	104,648	6,207	8,362	97,437	61,295
1954	368,060	115,235	427	17,370	980	84,411	4,944	8,124	78,953	52,616
1955 (prel.)	423,412	140,550	445	15,473	2,869	104,508	5,221	8,728	91,856	53,762

¹ Federal Power Commission. Represents consumption by public-utility power plants in power generation including a small quantity of coke amounting to approximately 100,000 tons annually.

² Bureau of the Census.

³ Association of American Railroads. Represents consumption by class I railways for all uses, including locomotive, powerhouse, shop, and station fuel. The ICC reports that in 1955 consumption for all uses by class I line-haul railways, plus purchases for class II and class III railways, plus purchases by all switching terminal companies combined, was 17,337,755 tons of bituminous coal and lignite.

⁴ Includes small amount of anthracite.

⁵ Estimates based upon reports collected from a selected list of representative manufacturing plants and retailers.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*. Current data also published in annual bulletin, *Bituminous Coal and Lignite*.

MINING AND MINERAL PRODUCTS

No. 933.—COKE—SUMMARY: 1910 TO 1955

[See also *Historical Statistics*, series G 43-56]

ITEM		1910	1920	1930	1940	1945	1950	1954	1955
Production, total	1,000 short tons	41,709	51,345	47,972	57,072	67,308	72,718	59,662	75,302
Oven coke	do	7,139	30,834	45,196	54,014	62,094	66,891	59,061	73,584
Percent of total		17.1	60.1	94.6	92.3	92.0	99.0	97.7	97.7
Beehive coke	1,000 short tons	34,570	20,511	2,776	3,058	5,214	5,827	601	1,718
Value of products at plant, total	\$1,000,000	108	581	378	442	699	1,279	1,278	1,635
Beehive coke	do	75	163	10	14	38	77	9	22
Oven coke	do	25	313	200	260	470	900	941	1,200
All coal-chemical materials	do	8	105	168	168	191	302	328	413
Average value per ton at plant	dollars	2.39	9.27	4.36	4.80	7.56	13.43	15.91	16.22
Coal charged	1,000,000 short tons	63.1	76.2	69.8	81.4	95.7	104.0	85.6	107.7
Value, average per ton	dollars	2.39	4.44	3.36	3.58	5.13	8.41	8.97	8.76
Yield of coke from coal	percent	66.1	67.4	68.7	70.1	70.4	69.9	69.7	69.9
Ovens in existence end of year	number	104,440	86,179	36,738	27,884	26,680	32,690	28,107	26,143
Coke (slot type)	do	4,078	10,881	12,833	12,734	14,510	14,982	15,891	16,039
Beehive	do	100,362	75,298	23,907	15,180	12,179	17,708	12,216	10,104
Coke ovens under construction									
end of year ¹	do	1,200	396	276	492	385	706	490	261
Exports	1,000 short tons	985	920	1,004	804	1,479	398	388	531
Imports	do	173	41	133	113	52	438	116	126

¹ Slot-type.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 934.—COKE—OVEN AND BEEHIVE PRODUCTION, BY STATES: 1915 TO 1955

[In thousands of short tons. Excludes screenings or breeze]

STATE	1915	1920	1925	1930	1935	1940	1945	1950	1954	1955
OVEN										
Total	14,073	30,834	39,912	45,196	34,224	54,014	62,094	66,891	59,061	73,584
Alabama	2,070	3,124	4,582	3,987	1,994	4,727	5,401	5,833	5,302	6,245
Colorado	517	490	379	207	544	639	805	662	789	
Illinois	1,687	2,137	3,012	3,577	1,669	3,015	3,682	3,591	2,248	3,041
Indiana	2,768	4,554	5,142	4,985	3,768	6,413	7,914	8,256	5,200	9,482
Maryland	313	1,019	1,169	930	1,688	2,025	2,367	3,078	3,236	
Massachusetts	504	488	685	863	1,006	1,130	1,149	855	516	551
Michigan	(1)	1,393	1,751	2,604	2,482	2,872	2,806	2,731	2,309	3,421
Minnesota	128	675	518	641	430	524	826	834	804	1,029
New Jersey	260	726	904	919	917	1,016	1,284	1,481	930	933
New York	684	1,040	2,220	3,850	4,099	5,080	5,790	5,412	3,579	4,035
Ohio	666	5,615	7,105	6,163	5,101	7,898	9,406	10,314	8,229	11,701
Pennsylvania	3,092	7,730	9,858	12,529	8,078	14,862	15,255	16,333	15,566	19,489
Utah			168	225	115	219	731	1,141	998	1,335
West Virginia	141	447	1,056	1,479	1,604	1,900	2,462	3,389	3,709	4,325
All other States	1,749	1,706	1,557	1,826	1,824	2,181	2,824	3,549	2,931	3,914
BEEHIVE										
Total	27,508	20,511	11,855	2,776	917	3,058	5,214	5,827	601	1,718
Alabama	1,001	890	88	—	79	49	62	73	—	—
Colorado	671	273	155	—	79	—	—	—	—	—
Kentucky	285	273	(1)	—	—	(1)	74	49	—	88
Ohio	19	87	156	—	—	—	—	—	—	—
Pennsylvania	22,531	15,908	9,574	2,011	564	2,550	4,584	5,193	432	1,314
Tennessee	234	163	128	25	3	5	—	—	—	—
Utah	(1)	(1)	146	7	6	7	4	85	59	111
Virginia	630	1,028	422	220	138	198	191	198	72	141
West Virginia	1,250	1,381	490	422	155	233	288	302	38	114
All other States	887	509	196	12	2	1	—	—	—	—

¹ Included in "All other States."Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

COAL—FUEL OILS AND NATURAL GAS

733

No. 935.—COAL—RESERVES, BY STATES: 1956

[In millions of short tons. As of January 1. Production from beginning of mining through 1955, except where noted]

STATE	ESTIMATED ORIGINAL RESERVES			RESERVES DEPLETED		Remaining reserves	Recoverable reserves ²
	Total	Bituminous	Other	Total ¹	Production		
Total	1,903,215	1,042,376	860,839	58,376	429,188	1,844,839	922,420
Alabama	67,570	67,570	—	1,700	895	65,780	32,890
Arkansas	1,716	1,396	320	192	96	1,624	702
Colorado	100,408	90,258	10,150	985	494	99,420	49,710
Illinois	5 137,321	5 137,321	—	5 580	5 290	136,741	68,371
Indiana	37,203	37,203	—	2,168	1,084	35,125	17,502
Iowa	29,160	29,160	—	704	352	23,456	14,228
Kansas	5 20,774	5 20,774	(7)	6 22	6 11	20,752	10,376
Kentucky	123,327	123,327	—	4,748	2,374	118,579	59,290
Maryland	5 1,200	5 1,200	—	6 6	6 3	1,194	597
Missouri	79,362	79,362	—	548	274	75,814	39,407
Montana	222,047	2,363	219,684	338	169	221,709	110,855
New Mexico	61,755	10,948	50,807	248	124	61,507	30,753
North Dakota	350,910	—	350,910	172	86	350,738	175,360
Ohio	86,554	86,554	—	3,816	1,908	82,708	41,384
Oklahoma	3,672	3,672	—	344	172	3,328	1,664
Pennsylvania	97,898	75,093	22,805	26,198	13,099	71,700	35,850
South Dakota	2,033	—	2,033	2	1	2,031	1,015
Tennessee	25,665	25,665	—	720	360	24,945	12,473
Texas	31,000	8,000	23,000	124	62	30,976	15,438
Utah	93,310	88,184	5,156	472	236	92,868	46,434
Virginia	12,051	11,696	355	1,388	669	10,713	5,356
Washington	63,878	11,413	52,465	294	147	63,584	31,702
West Virginia	116,618	116,618	—	11,640	5,820	104,978	52,489
Wyoming	121,554	13,235	108,319	788	304	120,766	60,383
Other States	16,079	8 1,244	5 14,835	8 136	8 68	15,943	7,972

¹ Assuming past mining losses equal production.² Assuming 50-percent recovery.Includes subbituminous (373,091,000 tons), lignite (463,616,000 tons), and anthracite and semianthracite (24,132,000 tons). ⁴ Somewhat less than total recorded production (32,808 million tons). See footnote 6.⁵ Remaining reserves, January 1, 1950.⁶ Production, 1950 through 1955.⁷ Estimate excluded because standards used not in accord with those employed elsewhere.⁸ Includes Arizona, California, Georgia, Idaho, Michigan, North Carolina, and Oregon.⁹ Includes Arizona, California, Louisiana, and Oregon.Source: Department of the Interior, Geological Survey; Circular No. 293, *Coal Resources of the United States* (as revised).

No. 936.—CONSUMPTION OF FUEL OILS AND NATURAL GAS, BY MAJOR CONSUMER GROUPS: 1950 TO 1955

[Fuel oils in thousands of barrels of 42 gallons; natural gas in millions of cubic feet]

TYPE OF FUEL	Total	Railroads	Vessels	Gas and electric power plants	Smelters, mines, and manufactures	Space heating and cooking	Military	Oil and gas company fuel	Miscellaneous
Distillate fuel oil:									
1950	395,306	48,703	12,872	13,207	37,121	235,740	6,553	5,692	35,418
1951	448,908	59,902	14,393	9,612	42,567	265,982	8,430	7,811	40,151
1952	470,210	68,002	17,213	8,350	42,760	279,326	9,644	7,976	45,939
1953	488,844	75,246	16,808	6,825	42,384	283,100	9,569	7,755	47,067
1954	520,245	77,389	15,563	6,070	41,589	320,117	8,752	7,699	49,063
1955	581,595	84,668	16,075	5,884	43,006	357,088	10,914	8,597	54,163
Residual fuel oil:									
1950	554,208	60,878	92,947	93,062	148,111	72,716	28,333	53,263	4,898
1951	563,384	54,998	107,007	70,550	157,279	76,164	38,054	54,056	5,280
1952	550,273	40,489	110,412	70,497	155,373	79,151	37,185	54,421	5,745
1953	564,729	28,477	114,324	85,352	160,748	81,824	30,435	51,243	6,326
1954	520,714	16,122	108,790	70,749	160,121	78,845	26,887	52,165	7,035
1955	550,515	15,018	115,128	75,966	173,030	80,282	27,900	53,337	9,804
Natural gas:									
1950	6,026,404	—	—	1,628,919	2,672,082	1,586,207	—	1,768,115	—
1951	7,102,562	—	—	1,763,898	2,991,888	1,930,034	—	2,172,140	—
1952	7,613,478	—	—	1,910,117	2,348,480	2,137,635	—	2,227,363	—
1953	7,970,338	—	—	1,034,272	2,503,091	2,216,153	—	2,260,094	—
1954	8,402,852	—	—	1,165,498	3,672,384	2,470,205	—	2,250,813	—
1955	9,070,343	—	—	1,153,230	2,938,012	2,753,171	—	2,378,160	—

1 Source: Federal Power Commission. Includes gas other than natural gas, therefore excluded from total.

2 Includes natural-gas component of gas used in gas and electric power plants.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 937.—NATURAL GAS—PRODUCTION, CONSUMPTION, AND VALUE: 1930 TO 1955

[See also *Historical Statistics*, series G 59-61 for production and value figures]

ITEM	1930	1935	1940	1945	1950	1954	1955
Total marketed production 1,000,000 cu. ft.	1,943,421	1,916,595	2,660,222	3,918,686	6,282,060	8,742,546	19,405,351
Value (at wells) of gas produced \$1,000	147,048	110,402	120,493	191,006	408,521	882,501	978,357
Average per 1,000 cu. ft. cents	7.6	5.8	4.5	4.9	6.5	10.1	10.4
Number of producing gas wells, Dec. 31	55,020	53,790	55,880	60,660	64,900	70,200	71,475
Total consumption 1,000,000 cu. ft.	1,941,644	1,909,901	2,654,659	3,900,479	6,026,404	8,402,552	9,070,343
Residential do	295,700	318,498	443,646	607,400	1,198,369	1,894,248	2,123,952
Commercial do	80,707	100,187	134,644	230,099	387,838	584,957	629,219
Industrial do	1,565,237	1,496,216	2,076,369	3,062,980	4,440,197	5,923,647	6,317,172
Value (at point of consumption) of gas consumed, total \$1,000	415,519	428,074	577,004	834,195	1,604,041	3,205,355	3,626,046
Residential do	200,615	238,940	315,515	415,122	826,393	1,692,447	1,884,946
Commercial do	38,558	49,386	64,399	97,572	184,430	378,242	394,790
Industrial do	176,346	144,748	197,090	321,501	593,218	1,134,666	1,346,310
Average per 1,000 cu. ft. cents	21.4	22.4	21.7	21.4	26.6	38.1	40.0
Residential do	67.8	74.6	71.1	68.3	69.0	89.3	88.7
Commercial do	47.8	49.3	47.8	42.4	47.6	64.7	62.7
Industrial do	11.3	9.7	9.5	10.5	13.4	19.2	19.6
Number of consumers:							
Residential 1,000	5,085	7,391	9,245	10,959	16,906	25,227	26,084
Commercial do	413	613	741	889	1,347	2,076	2,381
Industrial ² do	21	36	41	46	(2)	(2)	(2)

¹ Comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines.

² Excludes oil-and-gas-field operators.

³ Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 938.—NATURAL GASOLINE—PRODUCTION AND VALUE: 1930 TO 1955

[See also *Historical Statistics*, series G 62-64]

ITEM	1930	1935	1940	1945	1950	1954	1955
Total produced million gal.	(1)	(1)	(1)	4,704	7,642	10,590	11,818
Natural gasoline and natural gasoline mixtures million gal.	2,210	1,652	2,174	2,499	3,229	2,4,105	4,457
Liquefied petroleum gases do	(1)	(1)	(1)	1,413	3,036	5,204	5,973
Other products do			166	792	1,378	1,280	1,388
Value at plants:							
Natural gasoline \$1,000	128,160	70,940	868,261	112,018	213,810	297,212	313,075
Liquefied petroleum gases do	(1)	(1)	(1)	41,994	97,773	178,994	185,231
Other products do			(3)	33,552	108,022	105,206	110,700
Average value per gallon, all light products cents	4.5.8	4.4.3	4.2.9	4.0	5.5	5.5	5.2
Natural gas processed billion cu. ft.	2,089	1,822	2,471	3,654	5,342	7,458	8,186
Average yield, all light products gal. per 1,000 cu. ft.	(1)	(1)	(1)	1.29	1.43	1.42	1.44

¹ Not available.

² Includes isopentane; included in LP-gases for prior years.

³ Other products included with natural gasoline.

⁴ Excludes LP-gases.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 939.—NATURAL GAS AND NATURAL GASOLINE—PRODUCTION, BY STATES: 1930 TO 1955

[Gas in millions of cubic feet; gasoline in millions of gallons. Production figures for gas (except as noted) refer only to that used by the ultimate consumer, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost.]

STATE	NATURAL GAS—MARKETED PRODUCTION					Natural gas re- serves, 1955 ¹	NATURAL GASOLINE PRODUCED ²		
	1930	1940	1945	1950	1955		1953	1954	1955
	Total	1,943,421	2,660,222	3,918,686	3,628,060	3,940,351	223,697,445	10,020	10,590
Arkansas	18,585	14,379	46,600	48,047	32,123	1,164,367	114	109	105
California	334,789	351,950	502,442	558,398	538,178	8,892,950	1,308	1,319	1,291
Colorado	3,312	2,533	4,914	11,168	49,152	2,253,562	(4)	543	571
Illinois	2,890	8,359	16,663	13,285	8,038	233,565	6170	6310	6351
Kansas	37,630	90,003	145,959	364,024	471,041	16,293,080	7216	7207	7259
Kentucky	28,023	53,056	81,714	73,316	73,214	1,262,270	212	218	224
Louisiana	278,341	439,191	542,789	821,771	1,680,032	42,435,592	953	957	1,073
Michigan	2,075	12,648	21,874	11,250	8,300	325,874	(6)	(6)	(6)
Mississippi	179	6,365	4,587	114,153	163,167	2,608,340	50	43	35
Montana	10,060	26,231	31,829	39,180	28,255	719,719	(4)	(4)	(4)
New Mexico	9,497	63,990	106,025	212,909	540,664	18,584,912	293	450	539
New York	9,624	12,187	9,210	3,336	3,637	75,700	-----	-----	-----
Ohio	63,394	49,639	49,967	43,163	33,756	809,874	(3)	(6)	(6)
Oklahoma	348,116	257,626	357,530	482,360	614,976	13,204,739	848	932	1,017
Pennsylvania	88,706	90,725	82,188	91,137	99,172	754,389	87	6	5
Texas	517,880	1,063,538	1,711,401	3,126,402	4,730,798	108,287,548	5,528	5,716	6,433
West Virginia	144,180	188,751	160,225	189,980	212,403	1,564,899	197	184	323
Wyoming	43,219	27,346	35,282	62,062	77,819	3,196,103	4125	93	86
Other States	2,921	6,705	8,489	6,113	40,631	1,029,902	-----	-----	-----

¹ Estimated recoverable proved reserves. Offshore reserves included for California, Louisiana, and Texas. Excludes gas loss due to natural-gas liquids recovery. Source: American Gas Association.

² Includes liquefied petroleum gases and other allied products.

³ Comprises gas sold or consumed by producers, including losses in transmission, amounts added to storage, and increases in gas in pipelines.

⁴ Colorado, Montana, and Utah included with Wyoming.

⁵ Montana and Utah included with Colorado.

⁶ For 1953, Michigan included with Illinois; for 1954 and 1955, Michigan and Ohio included.

⁷ For 1953, Nebraska included with Kansas; for 1954 and 1955, Nebraska and North Dakota included.

⁸ Ohio included with Pennsylvania.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 940.—PETROLEUM—RUNS TO STILL AND REFINERY PRODUCTS, BY CLASS: 1930 TO 1956

[In thousands of barrels of 42 gallons]

PRODUCT	1930	1935	1940	1945	1950	1954	1955	1956
Input, total	970,617	996,815	1,333,709	1,789,858	2,189,506	2,657,113	2,856,600	3,040,168
Crude petroleum, total	927,447	965,790	1,204,162	1,719,524	2,094,867	2,539,564	2,730,218	2,905,106
Domestic	866,615	933,659	1,252,364	1,645,862	1,918,854	2,300,766	2,446,833	2,563,655
Foreign	60,832	32,131	41,798	73,672	176,013	238,798	283,385	341,451
Natural gasoline	43,170	31,025	39,547	70,324	94,639	117,549	126,382	135,062
Output, total	970,617	996,815	1,333,709	1,789,858	2,189,506	2,657,113	2,856,600	3,040,168
Gasoline	432,241	457,842	597,375	774,460	998,093	1,232,989	1,331,528	1,396,787
Kerosene	49,208	55,813	73,882	81,024	118,512	122,305	117,137	123,480
Distillate fuel oil	81,551	100,235	183,304	249,224	308,912	542,278	1,602,547	1,665,687
Residual fuel oil	290,947	259,826	316,221	469,492	426,217	416,757	420,321	426,699
Jet fuel	-----	-----	-----	-----	-----	46,550	56,648	66,448
Lubricants	34,201	27,853	36,765	41,867	51,735	53,243	55,836	59,211
Wax (1 bbl.=280 lb.)	1,956	1,608	1,833	2,921	4,402	5,290	5,298	5,367
Coke (5 bbl.=1 s. ton)	9,895	7,290	7,633	10,115	17,224	24,284	28,337	31,095
Asphalt (5.5 bbl.=1 s. ton)	18,194	17,133	29,406	39,196	58,240	74,912	83,121	90,636
Road oil	5,425	6,030	7,771	2,686	6,928	7,213	8,482	8,027
Still gas (1 bbl.=3,600 cu. ft.)	5,377	51,184	75,950	103,458	83,743	102,552	116,506	121,993
Liquefied gases	2,377	1,888	3,202	19,080	{ 29,083	34,169	43,615	51,062
Other finished products	-----	-----	-----	-----	{ 4,717	11,013	10,806	11,2,493
Crude gasoline (net)	1,032	902	2,4,892	243	{ (3)	{ (3)	{ (3)	{ (3)
Other unfinished oils (net)	2,242	2,412	2,8,828	2,5,787	2,6,891	2,7,974	12,11,231	12,4,008
Shortage	37,003	11,403	3,313	6,954	712	8,468	12,356	15,704

¹ Unfinished oils, kerosene, distillate fuel oils, and miscellaneous oils produced at natural gasoline plants shown as direct "transfers" and omitted from the input and output at refineries.

² Negative quantity; represents net excess of unfinished oils rerun over unfinished oils produced.

³ Included in gasoline. ⁴ Negative quantity.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 941.—CRUDE PETROLEUM, REFINED PRODUCTS, AND NATURAL GASOLINE—
PRODUCTION AND STOCKS: 1910 TO 1956

[Barrels of 42 gallons. See also *Historical Statistics*, series G 57-58]

ITEM	1910	1920	1930	1940	1945	1950	1955	1956 (prel.)
Crude petroleum:								
Domestic production... 1,000 bbl.	209,557	442,929	898,011	1,353,214	1,713,655	1,973,574	2,484,428	2,617,432
Value at wells..... \$1,000	127,900	1,360,745	1,070,200	1,385,440	2,094,250	4,963,380	6,870,380	7,250,237
World production... 1,000 bbl.	327,763	688,884	1,411,904	2,144,050	2,504,798	3,802,905	5,634,412	(1)
U. S. proportion of world total percent.....	64	64	64	63	66	52	44	(1)
Imports ² 1,000 bbl.	571	106,175	62,129	42,662	74,337	177,714	285,421	341,833
Exports ² do	4,288	9,295	23,705	51,496	32,998	34,823	11,571	28,414
Stocks, end of period:								
Gasoline-bearing crude... do	131,030	149,448	408,809	264,709	218,763	248,463	265,610	266,014
California heavy crude... do	(1)	(1)	(1)	11,906	4,496			
Runs to stills..... do	(1)	433,915	927,447	1,294,162	1,719,634	2,004,867	2,730,218	2,905,106
Average price per barrel at wells	\$0.61	\$3.07	\$1.19	\$1.02	\$1.22	\$2.51	\$2.77	(1)
Refined products:								
Imports ² 1,000 bbl.	(1)	2,647	43,489	41,089	39,282	132,547	170,143	180,206
Exports ² do	(1)	70,281	132,794	78,970	149,985	76,483	122,617	128,531
Stocks, end of period ⁴ do	(1)	63,397	254,311	280,958	235,998	326,802	435,685	493,818
Output of motor fuel..... do	(1)	118,022	440,728	616,695	708,194	1,024,462	1,378,950	1,428,100
Yield of gasoline..... percent	(1)	26.1	42.0	43.1	40.9	43.0	43.9	43.4
Completed refineries, end of year	(1)	415	435	556	393	357	318	(1)
Daily crude-oil capacity of refineries..... 1,000 bbl.	(1)	1,889	3,943	4,719	5,316	6,964	8,632	(1)
Average dealer's net price (excl. tax) of gasoline in 50 U. S. cities ⁶ cents per gal.	(1)	28.05	14.49	9.08	10.33	15.10	16.18	(1)
Natural gas liquids:								
Production..... 1,000 bbl.	(1)	9,161	52,631	55,700	112,004	181,961	281,871	287,652
Stocks, end of period..... do	(1)	(1)	2,377	5,704	4,322	7,355	13,564	20,559

¹ Not available.

² Import and export figures from Bureau of Census, except for imports of crude petroleum for 1940 and later years which are as reported to Bureau of Mines. Exports include shipments to Territories and possessions.

³ Figure for California heavy crude included in refined products.

⁴ Beginning 1952, new basis; not comparable with earlier years. ⁵ Excludes jet fuel.

⁶ American Petroleum Institute figures; prior to 1940, average tank-wagon prices.

No. 942.—PETROLEUM, CRUDE—PRODUCTION, 1931 TO 1956, AND RESERVES, 1954
TO 1956, BY STATES

[In thousands of barrels of 42 gallons]

STATE	PRODUCTION						PROVED RESERVES ¹ (December 31)			
	1931- 1935, avg.	1936- 1940, avg.	1941- 1945, avg.	1946- 1950, avg.	1954	1955	1956 (prel.)	1954	1955	1956
U. S. ²	889,311	1,242,276	1,537,209	1,885,325	2,314,988	2,484,428	2,617,432	29,561,000	30,012,000	30,435,000
Arkansas.....	12,144	17,485	27,717	30,220	29,130	28,369	29,145	351,000	330,000	318,000
California.....	184,221	230,280	280,210	329,694	355,865	354,812	351,437	3,889,000	3,801,000	3,771,000
Colorado.....	1,260	1,539	2,958	18,462	46,206	52,653	58,546	329,000	334,000	364,000
Illinois.....	4,551	55,722	94,710	66,619	66,798	81,423	82,156	658,000	691,000	700,000
Indiana.....	800	1,870	5,885	8,038	11,204	10,988	11,513	67,000	61,000	68,000
Kansas.....	43,083	63,197	96,447	104,542	119,317	121,669	123,833	979,000	998,000	992,000
Kentucky.....	5,494	5,549	7,425	9,592	13,791	15,518	17,628	85,000	107,000	149,000
Louisiana.....	30,306	92,771	123,196	177,009	246,558	271,010	297,949	2,062,000	3,255,000	3,676,000
Michigan.....	9,004	18,103	18,928	16,501	12,028	11,266	10,879	60,000	59,000	55,000
Mississippi.....	(1)	4,507	19,673	36,287	34,240	37,741	40,572	412,000	388,000	368,000
Montana.....	3,153	5,861	8,117	8,835	14,195	15,654	21,623	272,000	299,000	331,000
Nebraska.....					(1)	7,783	11,203	16,195	58,000	63,000
New Mexico.....	15,829	35,720	37,383	44,144	74,820	82,958	87,893	806,000	820,000	835,000
New York.....	3,618	5,057	5,002	4,563	3,257	2,904	2,748	46,000	43,000	40,000
North Dakota.....					6,025	11,143	13,495	186,000	196,000	
Ohio.....	4,504	3,404	3,228	3,296	3,880	4,353	4,755	37,000	56,000	64,000
Oklahoma.....	176,293	185,283	136,492	149,305	185,851	202,817	215,016	1,955,000	2,016,000	2,010,000
Pennsylvania.....	13,443	17,684	15,384	12,317	9,107	8,531	8,230	102,000	93,000	135,000
Texas.....	364,341	478,063	616,884	811,726	974,275	1,053,297	1,111,172	14,982,000	14,934,000	14,783,000
West Virginia.....	4,032	3,680	3,261	2,777	2,902	2,320	2,179	37,000	47,000	51,000
Wyoming.....	13,158	19,987	33,304	49,660	93,533	99,483	104,483	1,304,000	1,374,000	1,363,000

¹ Includes off-shore reserves of California, Louisiana, and Texas.

² Includes quantities for States not shown separately. ³ Not shown separately.

Source of tables 941 and 942: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 943.—OIL WELLS, NUMBER AND PRODUCTION, 1954 AND 1955, AND NUMBER OF OIL AND GAS WELLS DRILLED, 1955 AND 1956, BY STATES

STATE	PRODUCING OIL WELLS				WELLS DRILLED ¹					
	Approximate number, Dec. 31		Average production per well per day (barrels)		Oil		Gas		Dry	
	1954	1955	1954	1955	1955	1956	1955	1956	1955	1956
Total	511,200	524,010	12.6	13.2	31,567	31,158	3,613	4,115	21,502	22,887
Arkansas	4,410	4,610	18.6	17.2	429	657	10	13	365	332
California	32,860	34,760	30.1	28.8	1,747	1,680	64	51	654	575
Colorado	1,750	1,940	85.7	78.2	402	251	84	107	1,023	864
Illinois	30,280	29,600	6.1	7.5	2,100	1,674	16	63	1,776	2,071
Indiana	4,160	4,080	7.5	7.3	205	288	22	7	479	446
Kansas	37,755	36,177	8.9	9.0	2,434	2,240	362	381	2,162	2,320
Kentucky	16,900	17,800	2.3	2.5	655	795	162	165	775	976
Louisiana	15,980	18,800	44.7	42.7	2,556	2,082	282	401	1,181	1,392
Michigan	4,173	4,034	8.1	7.5	194	202	19	12	299	223
Mississippi	2,173	2,339	45.5	45.8	180	145	1	5	267	201
Montana	3,415	3,414	11.4	12.6	170	234	16	7	225	254
Nebraska	550	790	47.4	45.8	307	301	4	1	580	616
New Mexico	7,760	8,640	27.2	27.7	859	861	564	674	240	360
New York	22,390	20,100	0.4	0.4	(2)	(2)	(2)	(2)	(2)	(2)
North Dakota	460	570	46.0	59.3	165	164	-----	-----	85	99
Ohio	14,110	14,195	0.7	0.8	(3)	(3)	(3)	(3)	(3)	(3)
Oklahoma	65,300	69,930	7.9	8.2	5,131	4,825	359	321	2,921	2,910
Pennsylvania	73,700	72,525	0.3	0.3	2,1,098	2,1,127	2,986	2,934	2,910	2,978
Texas	153,190	159,880	18.0	18.4	12,476	13,082	603	594	6,902	7,543
West Virginia	12,900	12,500	0.6	0.5	(2)	(2)	(2)	(2)	(2)	(2)
Wyoming	6,530	6,960	42.5	40.4	439	448	46	52	430	430
Other States	364	366	33.2	33.2	20	102	13	27	228	198

¹ Figures from *Oil and Gas Journal*. ² New York, Ohio, and West Virginia combined with Pennsylvania.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 944.—ASPHALT AND RELATED BITUMENS—SUPPLY, DISTRIBUTION, STOCKS, AND SALES: 1945 TO 1956

[In thousands of short tons]

ITEM	1945	1950	1951	1952	1953	1954	1955	1956
PETROLEUM ASPHALT								
Production	7,127	10,589	12,056	12,784	13,165	13,620	15,113	16,479
Imports (including natural)	147	324	443	490	434	617	605	700
Exports	212	144	183	418	303	340	285	269
Stocks, end of year	693	982	1,204	1,149	1,330	1,305	1,412	1,663
Apparent domestic consumption ¹	6,973	10,669	12,033	12,910	13,115	13,923	15,325	16,659
ROAD OIL								
Production	471	1,260	1,109	1,272	1,199	1,311	1,542	1,459
Stocks, end of year	67	72	73	82	79	79	102	91
Apparent domestic consumption ²	438	1,255	1,108	1,263	1,202	1,312	1,519	1,470
SALES								
Paving products:								
Asphalt cements	(8)	(8)	(8)	(8)	4,745	5,375	5,867	7,010
Cutback asphalts	(8)	(8)	(8)	(8)	3,088	3,785	4,039	4,301
Emulsified asphalts	(8)	(8)	(8)	(8)	724	809	861	897
Road oil	(8)	(8)	(8)	(8)	1,330	1,346	1,460	1,493
Roofing products:								
Asphalt cements and fluxes	(8)	(8)	(8)	(8)	3,449	3,244	3,490	3,394
Emulsified asphalts	(8)	(8)	(8)	(8)	10	6	12	17
Miscellaneous products:								
Asphalt cements and fluxes	(8)	(8)	(8)	(8)	1,337	1,410	1,366	1,594
Emulsified asphalts	(8)	(8)	(8)	(8)	88	53	45	45

¹ Production, plus imports less exports and plus or minus change in stocks.

² Production, plus or minus change in stocks. ³ Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook* and records.

No. 945.—CEMENT—SUMMARY: 1910 TO 1954

[Barrels of 376 pounds. Includes Puerto Rico beginning 1940. See also *Historical Statistics*, series G 65-66]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Production of finished cement, total.....1,000 bbl.	77,785	100,790	162,989	132,751	104,289	230,272	267,669	275,857
Portland.....do.....	76,550	100,023	161,197	130,216	102,805	226,026	264,181	272,353
Masonry, natural, and pizzolan (slag-lime).....1,000 bbl.	1,235	1,767	1,792	2,535	1,484	4,246	3,488	3,504
Active plants: Portland.....number	111	117	163	152	145	150	156	157
Masonry, natural, and pizzolan (slag-lime).....number	23	9	11	12	9	9	8	8
Shipments, total.....1,000 bbl.	(2)	97,079	160,846	132,864	107,833	231,975	264,338	278,385
Portland.....do.....	(2)	96,312	159,059	130,350	106,354	227,757	260,879	274,872
Value.....\$1,000	(2)	194,439	228,780	190,078	173,337	555,321	697,263	759,862
Per barrel.....dollars	(2)	2.02	1.44	1.46	1.03	2.35	2.67	2.76
Masonry, natural, and pizzolan (slag-lime).....1,000 bbl.	(2)	767	1,787	2,514	1,479	4,219	3,459	3,513
Value.....\$1,000	(2)	1,151	2,470	3,387	2,094	10,630	10,341	13,215
Per barrel.....dollars	(2)	1.50	1.38	1.35	1.42	2.52	2.99	3.76
Stocks at mills, Dec. 31 (finished portland cement).....1,000 bbl.	(2)	8,833	25,899	23,365	16,625	13,119	19,272	16,753
Imports.....do.....	307	525	985	538	(3)	1,410	386	450
Exports.....do.....	2,476	2,986	756	1,668	6,475	2,418	2,551	1,844
World production (estimate).....do.....	(2)	(2)	416,880	474,927	290,233	781,500	1,042,400	1,142,900

¹ Shipments. ² Not available. ³ Less than 500 bbls.

No. 946.—PORTLAND CEMENT—PRODUCTION, BY STATES: 1910 TO 1954

[In thousands of barrels of 376 pounds]

STATE	1910	1920	1930	1940	1945	1950	1952	1953	1954
Total ¹	76,550	100,023	161,197	130,217	² 102,805	226,026	249,256	264,181	272,353
Alabama.....	³ 1,481	1,132	4,821	5,122	5,542	10,372	10,609	10,683	10,907
California.....	⁴ 6,386	7,098	10,124	14,216	15,952	26,277	29,585	32,145	32,509
Illinois.....	⁴ 459	5,539	7,935	4,975	4,367	7,924	8,514	8,869	8,842
Iowa.....	⁵ 2,010	4,849	7,088	4,606	3,194	7,416	9,028	9,341	9,658
Kansas.....	5,656	4,341	6,012	3,433	3,001	8,616	8,673	8,766	8,803
Michigan.....	3,688	4,891	11,511	8,603	5,839	12,967	14,791	15,533	16,671
Missouri.....	4,456	6,018	7,809	4,968	3,185	9,778	10,008	10,281	11,202
New York.....	3,296	5,885	10,373	8,437	⁶ 5,617	⁶ 14,196	⁶ 15,996	⁶ 17,023	⁶ 16,450
Ohio.....	1,528	1,780	8,632	6,684	4,604	10,607	11,270	12,539	13,307
Pennsylvania.....	26,676	28,269	37,844	26,853	15,564	38,646	39,438	42,799	42,515
Tennessee.....	(7)	(7)	3,875	3,808	2,882	6,685	7,440	7,475	7,524
Texas.....	⁸ 2,287	2,562	6,782	7,375	8,037	17,150	19,998	19,254	21,541
Other States.....	14,627	27,659	38,393	31,156	² 25,022	55,392	63,906	69,473	72,235

¹ Beginning 1940 includes Puerto Rico. ² Includes Hawaii. ³ Includes Georgia and Tennessee.⁴ Includes Washington. ⁵ Includes Kentucky and West Virginia. ⁶ Includes Maine.⁷ Included in figures for Alabama for 1910; Other States, 1920. ⁸ Includes Oklahoma.

No. 947.—OPEN-MARKET LIME—PRODUCTION, BY TYPE AND USE: 1930 TO 1954

[Includes only small quantities of captive tonnage. See also *Historical Statistics*, series G 69-70]

ITEM	1930	1935	1940	1945	1950	1953	1954
Active plants.....number	375	301	314	189	168	156	154
Quantity sold by producers.....1,000 short tons	3,888	2,987	4,887	5,921	7,478	9,674	8,629
Value.....\$1,000	25,616	21,749	33,956	45,918	83,248	112,158	101,723
Per ton.....dollars	7.56	7.28	6.95	7.76	11.13	11.59	11.79
By type:							
Quicklime.....1,000 short tons	2,058	1,981	3,501	4,566	5,593	7,632	6,649
Hydrated.....do.....	1,830	1,006	1,386	1,355	1,885	2,042	1,980
By use:							
Agricultural.....do.....	343	283	365	374	333	320	324
Building.....do.....	1,205	657	1,010	550	1,249	1,166	1,130
Chemical and industrial.....do.....	1,488	1,592	2,644	3,810	4,137	5,884	5,655
Refractory (dead-burned dolomite).....do.....	352	455	868	1,187	1,759	2,295	1,521

Source of tables 945-947: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 948.—SAND AND GRAVEL—QUANTITY SOLD OR USED BY PRODUCERS AND VALUE: 1930 TO 1954

[Includes Alaska and Hawaii for 1935; Alaska, Hawaii, and Puerto Rico, beginning 1940. See also *Historical Statistics*, series G 71-72]

ITEM	1930	1935	1940	1945	1950	1953	1954
Sand and gravel, total.....1,000 short tons..	197,052	123,924	238,308	195,524	370,455	440,399	556,537
Building.....do.....	46,605	32,182	68,036	61,563	132,873	152,544	201,436
Paving.....do.....	84,176	68,414	143,158	93,664	204,242	246,517	309,336
Other.....do.....	66,271	23,328	27,114	40,297	33,340	41,338	45,765
Value.....\$1,000.....	115,177	61,977	110,688	128,837	295,040	374,795	504,127
Average per ton.....dollars.....	.58	.50	.46	.66	.80	.85	.91
Commercial sand.....1,000 short tons..	81,754	37,776	63,920	65,077	124,982	145,579	177,315
Value.....\$1,000.....	48,894	25,097	40,526	52,431	120,350	153,213	189,430
Average per ton.....dollars.....	.60	.66	.63	.81	.96	1.05	1.07
Noncommercial (government-and-contractor) sand.....1,000 short tons..	1,905	2,658	14,744	6,649	13,918	15,003	17,649
Value.....\$1,000.....	828	770	4,806	2,426	5,961	7,123	10,125
Average per ton.....dollars.....	.43	.29	.33	.36	.43	.47	.57
Commercial gravel.....1,000 short tons..	95,126	46,831	67,326	87,061	132,574	163,317	219,618
Value.....\$1,000.....	58,475	26,147	37,745	57,992	120,974	158,947	226,929
Average per ton.....dollars.....	.61	.56	.56	.67	.91	.97	1.03
Noncommercial (government-and-contractor) gravel.....1,000 short tons..	18,267	36,650	92,308	36,737	98,981	116,500	141,955
Value.....\$1,000.....	6,980	9,964	27,612	15,989	47,755	55,512	77,643
Average per ton.....dollars.....	.38	.27	.30	.44	.48	.48	.55

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 949.—STONE—QUANTITY SOLD OR USED BY PRODUCERS, AND VALUE, BY KIND AND BY USE: 1930 TO 1954

Includes Territories and other areas under jurisdiction of U. S. See also *Historical Statistics*, series G 75-76 [for total]

VARIETY AND USE	QUANTITY SOLD (1,000 short tons) ¹							VALUE (\$1,000)		
	1930	1935	1940	1945	1950	1953	1954	1950	1953	1954
Total.....	126,996	83,159	153,733	153,405	252,106	306,842	408,177	389,819	483,329	610,027
KIND										
Granite.....	10,048	6,014	10,880	7,740	22,546	23,485	28,450	51,457	55,110	56,705
Basalt and related rocks.....	14,532	9,672	15,716	14,911	22,895	30,098	30,808	34,373	46,480	49,593
Sandstone.....	4,594	3,010	6,499	4,387	9,101	8,655	12,119	23,787	28,271	35,321
Marble.....	477	132	240	171	267	454	538	10,932	12,191	13,794
Limestone.....	88,741	57,493	112,658	112,574	180,919	225,126	324,974	252,756	317,972	433,985
All other.....	8,604	6,838	7,740	13,622	16,378	19,024	16,238	16,514	23,306	20,629
USE										
Dimension stone:										
Building stone.....	2,322	831	836	382	1,229	1,148	1,534	36,665	35,380	43,179
Monumental.....	291	180	196	251	237	251	235	17,062	18,995	18,105
Paving blocks.....	294	78	19	1	4	2	1	51	40	18
Curbing.....	262	69	72	13	78	83	128	2,430	2,500	3,408
Flagging.....	82	24	68	21	57	62	94	878	1,270	1,933
Rubble.....	1,066	279	916	390	247	403	390	615	1,126	904
Crushed and broken stone:										
Riprap.....	4,292	4,919	5,264	4,801	6,898	7,735	7,642	7,807	10,053	10,979
Concrete and roadstone.....	74,293	49,488	92,814	64,108	147,108	189,159	216,614	192,294	251,515	289,442
Railroad ballast.....	12,818	5,267	7,454	21,265	18,614	20,778	15,173	17,520	20,533	14,871
Furnace flux (limestone).....	17,091	12,192	22,872	27,640	35,970	40,881	33,162	37,832	53,041	40,934
Refractory stone.....	1,197	866	1,741	2,527	2,158	1,937	1,530	5,849	8,079	5,923
Agricultural (limestone).....	2,542	2,140	8,724	17,396	10,349	18,428	18,247	30,393	30,104	30,199
Other uses.....	10,446	6,826	12,757	14,610	20,157	25,975	21,113,427	40,323	50,693	2150,132

¹ Quantities of stones not sold by short ton are expressed in approximate equivalents in short tons; expressed in their selling units, quantities for 1954 are as follows: Building stone (cut stone, slabs, and mill blocks), 14,267,398 cubic feet; monumental stone, 2,842,456 cubic feet; paving blocks, 208,204 (number); curbing, 1,554,943 cubic feet; and flagging, 1,203,088 cubic feet.

² Includes additional uses not formerly covered (cement, lime, abrasives, etc.).

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 950.—GYPSUM—SUPPLY, SALES, IMPORTS, AND EXPORTS: 1945 TO 1955

[Quantities in thousands of short tons; values in thousands of dollars. See also *Historical Statistics*, series G 67-68, for gypsum mined and total gypsum products sold]

ITEM	1945	1949	1950	1951	1952	1953	1954	1955
Active establishments ¹ -----	75	88	87	85	89	94	86	83
Crude gypsum: ²								
Mined-----	3,812	6,608	8,193	8,666	8,415	8,203	8,996	10,664
Imported-----	509	2,593	3,219	3,437	3,088	3,184	3,368	3,977
Apparent supply-----	4,320	9,201	11,412	12,102	11,503	11,477	12,364	14,661
Calcined gypsum produced: ³ -----								
Short tons-----	2,485	5,767	7,341	7,455	6,874	7,166	7,618	8,848
Value-----	14,474	45,455	60,480	65,761	59,696	66,699	76,171	88,576
Gypsum products sold, total value ³ -----	60,149	158,300	205,383	235,835	224,924	245,053	272,153	310,323
Uncalculated uses: ⁴								
Short tons-----	1,148	1,990	2,218	2,530	2,706	2,656	2,746	2,938
Value-----	3,433	7,127	7,912	9,413	9,617	9,844	10,592	11,435
Industrial uses:								
Short tons-----	158	212	206	280	252	254	250	299
Value-----	2,326	3,562	4,580	5,468	5,000	5,261	5,384	6,337
Building uses, value-----	54,390	147,611	192,940	220,954	210,307	220,948	256,177	301,551
Gypsum and gypsum products:								
Imported for consumption, value-----	549	2,851	3,584	3,814	3,605	4,792	4,5378	7,276
Exported, value-----	1,503	1,936	1,046	1,584	1,216	1,094	1,600	1,348

¹ Each mine, plant, or combination mine and plant is counted as one establishment.

² Excludes byproduct gypsum.

³ Made from domestic, imported, and byproduct gypsum.

⁴ Not comparable with previous years.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 951.—SALT—PRODUCTION, BY STATES AND BY KIND, EXPORTS, AND IMPORTS: 1880 TO 1954

[In short tons. Production figures represent sales plus that used by producers; they include Puerto Rico, and, beginning 1952, Hawaii. Imports are imports for consumption. See also *Historical Statistics*, series G 81-82, for production]

YEAR	Production	Exports	Imports	YEAR	Production	Exports	Imports
1880-----	834,548	1,642	509,703	1930-----	8,054,440	70,478	54,021
1890-----	1,242,779	2,464	257,323	1935-----	7,926,897	112,213	51,245
1900-----	2,021,708	7,511	199,909	1940-----	10,359,960	147,044	30,402
1905-----	3,635,257	34,238	161,159	1945-----	15,394,141	190,524	4,553
1910-----	4,242,702	49,013	137,103	1950-----	16,629,809	100,377	7,869
1915-----	5,352,409	80,474	122,326	1952-----	16,545,214	349,971	7,056
1920-----	6,840,029	139,272	137,654	1953-----	20,789,003	249,521	137,308
1925-----	7,397,500	155,070	85,788	1954-----	20,669,403	385,250	160,770

STATE AND KIND	1930	1935	1940	1945	1950	1953	1954
Production, total-----	8,054,440	7,926,897	10,359,960	15,394,141	16,629,809	20,789,003	20,669,403
By State:							
California-----	350,370	356,222	469,354	694,609	868,496	1,123,305	1,185,844
Kansas-----	759,800	608,204	681,053	855,806	846,374	905,227	876,667
Louisiana-----	535,250	702,990	1,132,594	1,867,680	2,278,811	3,061,234	3,088,685
Michigan-----	2,558,290	2,128,171	2,863,035	4,285,493	4,446,667	5,127,337	5,063,633
New York-----	2,009,280	1,927,822	2,117,671	2,862,224	2,806,927	3,322,659	3,412,636
Ohio-----	1,311,440	1,487,315	2,080,133	2,764,926	2,515,205	3,040,237	2,748,993
Texas-----	(1)	268,809	402,165	1,100,791	1,852,138	2,845,190	2,864,312
Utah-----	85,240	57,625	71,472	122,997	116,694	154,088	166,506
West Virginia-----	28,670	65,968	144,312	370,260	367,942	419,907	471,516
Other States-----	416,100	323,771	395,171	469,346	530,555	789,709	790,610
By kind:							
Manufactured (evaporated)-----	2,358,610	2,330,042	2,782,741	3,182,570	3,329,288	3,702,305	3,731,087
In brine-----	3,718,460	3,837,613	5,311,671	8,705,831	9,373,254	12,608,043	12,113,608
Rock salt-----	1,977,370	1,759,242	2,265,548	3,505,740	3,927,267	4,478,655	4,824,708
Total value ² -----dollars-----	25,009,480	21,837,911	26,474,619	43,914,406	50,911,348	78,276,667	105,555,892

¹ Included in Other States.

² F. o. b. mine or refinery; excludes cost of cooperage or containers.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

SULFUR AND PYRITES—IRON ORE

741

No. 952.—SULFUR AND PYRITES—PRODUCTION, EXPORTS, AND IMPORTS: 1930 TO 1954

[See also *Historical Statistics*, series G 83-86]

ITEM	1930	1935	1940	1945	1950	1953	1954
SULFUR							
Production, Frasch mines.....	1,000 long tons	2,559	1,633	2,732	3,753	5,192	5,155
Value.....	\$1,000	46,036	29,256	43,659	60,013	98,080	139,185
Price per long ton f. o. b. mines.....	dollars	18	18	16	16	18-22	21-27.50
Shipments, Frasch mines.....	1,000 long tons	1,990	1,655	2,559	3,833	5,505	5,224
For domestic consumption.....	do	1,397	1,233	812	2,915	4,064	3,982
For export.....	do	593	402	746	919	1,441	1,242
Imports (ore and other).....	do	(¹)	2	28	(¹)	(¹)	1
Exports of treated sulfur.....	do	12	11	20	24	38	29
PYRITES							
Production.....	1,000 long tons	348	514	627	723	931	923
Sulfur content.....	percent	35.7	39.5	41.8	41.0	42.2	41.1
Value.....	\$1,000	1,029	1,583	1,920	2,700	4,059	5,007
Imports.....	1,000 long tons	355	397	407	187	200	190

¹ Less than 500 long tons.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 953.—IRON ORE—SUMMARY: 1910 TO 1954

[In thousands of long tons. Nearly all exports are to Canada. Data exclude ore containing 5 percent or more of manganese. See also *Historical Statistics*, series G 93-95]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Production, total.....	57,015	67,604	58,409	73,696	88,376	98,045	117,995	78,094
By district:								
Lake Superior.....	46,420	57,945	49,383	61,471	74,821	79,627	95,655	60,994
Southeastern.....	6,895	6,768	5,888	1,7,444	6,330	7,508	7,692	6,150
Northeastern.....	2,605	2,096	2,249	3,560	3,620	4,475	5,162	4,084
Western.....	1,095	795	939	1,221	3,088	5,861	8,869	6,030
Undistributed (byproduct ore).....	(²)	(²)	(²)	517	517	617	617	836
By type of ore:								
Hematite.....	51,367	63,883	55,266	68,870	81,295	³ 87,156	³ 102,553	³ 66,382
Brown ore.....	2,994	1,328	720	935	943	2,615	2,238	2,238
Magnetite.....	2,632	2,391	2,421	3,891	5,621	³ 7,699	³ 12,586	³ 8,593
Carbonate.....	22	4	1	1	1			
Byproduct material (pyrites cinder and sinter).....	(²)	(²)	(²)	(²)	517	575	617	836
Number of mines.....	191	403	208	230	199	247	325	265
Shipments.....	(²)	69,281	55,201	75,198	88,137	97,764	117,822	76,918
Value.....	\$1,000	(²)	285,006	145,619	189,087	248,761	487,990	796,733
Average value per ton at mine.....		(²)	\$4.11	\$2.64	\$2.51	\$2.77	\$4.99	\$6.76
Stocks at mines, Dec. 31.....		9,422	11,379	10,383	3,614	4,432	5,726	5,706
Imports.....		2,591	1,273	2,775	2,479	1,198	8,281	11,074
Value.....	\$1,000	7,832	4,964	8,113	6,205	4,114	48,968	96,758
Exports.....	\$1,000	749	1,145	752	1,386	2,063	2,551	4,252
Value.....	\$1,000	2,474	6,199	2,734	4,625	6,688	15,717	32,422
World production (estimate).....	130,900	114,500	175,600	208,700	159,400	246,100	332,500	300,900

¹ Texas included with Southeastern district.² Not available.³ Small quantity of hematite included with magnetite.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 954.—MANGANESE (INCLUDING FERROMANGANESE AND SPIEGELEISEN)—
SUMMARY: 1910 TO 1954
[Gross weight in short tons]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Manganese ore (35 percent or more Mn):								
Mine shipments	2,529	105,750	75,079	44,936	182,337	134,451	157,536	206,128
Metallurgical ore	(1)	(1)	59,725	30,416	174,295	122,944	139,960	191,376
Battery ore	(1)	(1)	13,198	10,383	8,042	11,507	17,576	14,694
Miscellaneous	(1)	(1)	2,188	4,137				58
General imports	271,430	671,736	655,836	1,449,634	1,461,945	1,834,925	3,500,986	2,166,147
Consumption	(1)	(1)	(1)	(1)	1,485,859	1,650,420	2,195,742	1,740,648
World production (estimate)	2,173,000	1,801,000	3,848,000	6,238,000	4,674,000	6,173,000	10,600,000	9,700,000
Ferromanganese:								
Domestic production	253,362	309,785	307,810	514,682	619,760	719,680	907,533	718,721
Imports for consumption	127,835	66,364	340,321	11,613	35,521	109,948	126,518	56,772
Exports	(1)	3,868	6,932	14,600	836	580	1,112	1,732
Consumption	(1)	(1)	(1)	(1)	641,622	774,852	931,401	716,910
Spiegeleisen:								
Domestic production	(3)	116,113	97,506	114,119	139,039	42,375	97,729	(3)
Imports for consumption	28,429	5,862	315,015	17,455	3,146	8,595	785	
Exports	(1)	(1)	(1)	(1)	2,393	363		
Consumption	(1)	(1)	(1)	(1)	148,087	76,280	73,512	52,082

¹ Not available. ² Production of spiegeleisen included with that of ferromanganese.

³ Manganese content; gross weight not reported.

⁴ Exports of spiegeleisen included with those of ferromanganese.

⁵ Bureau of Mines not at liberty to publish.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 955.—CHROMITE—SUMMARY: 1930 TO 1955

[Quantities in short tons; values in thousands of dollars. See also *Historical Statistics*, series G 106-107 for figures on shipments]

ITEM	1930	1935	1940	1945	1950	1953	1954	1955
Total supply	365,901	290,727	739,594	939,860	1,304,117	2,285,448	1,634,402	1,981,213
Domestic production (shipments)	90	377	2,082	13,973	404	58,817	163,365	153,253
Value	2	6	29	532	(1)	3,433	7,164	6,644
Imports for consumption	365,811	290,150	736,612	925,887	1,303,713	2,226,631	1,471,037	1,827,960
Value	3,513	3,604	8,755	17,520	23,299	56,102	34,197	37,854
Consumption by industry	(1)	(1)	562,915	808,120	980,369	1,355,755	913,973	1,583,983
Exports	(1)	(1)	(1)	12,366	2,044	1,166	864	1,341

¹ Not available or Bureau of Mines not at liberty to publish.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 956.—TUNGSTEN—SUMMARY: 1930 TO 1954

[Includes Alaska. See also *Historical Statistics*, series G 108-109]

ITEM	1930	1935	1940	1945	1950	1953	1954
Production:							
Concentrates, 60 percent WO ₃short tons.....	(1)	(1)	5,120	5,662	4,166	9,729	13,834
Tungsten content.....1,000 lb.....	(1)	(1)	4,873	5,389	3,965	9,259	13,166
Shipments from mines:							
Concentrates, 60 percent WO ₃short tons.....	702	2,395	5,319	5,534	4,820	9,590	13,691
Tungsten content.....1,000 lb.....	668	2,279	5,062	5,267	4,588	9,128	13,030
Reported value f. o. b. mines.....\$1,000.....	509	1,921	6,576	7,693	8,171	35,944	51,433
Average per pound of tungsten.....dollars.....	.76	.84	1.30	1.46	1.78	3.94	3.95
Imports (tungsten content):							
General.....1,000 lb.....	(1)	(1)	9,666	8,639	8,342	20,130	23,044
For consumption.....do.....	3,998	892	5,611	4,774	16,147	28,060	24,188
Consumption (tungsten content).....do.....	4,642	2,372	9,955	14,146	6,597	7,734	4,037
Industry stocks, end of year (tungsten content).....1,000 lb.....	(1)	(1)	2,897	4,341	5,337	4,698	4,275
World production ²short tons.....	18,356	24,756	48,052	25,135	43,321	78,700	77,800

¹ Not available. ² Concentrates containing 60 percent WO₃.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 957.—NICKEL—SUMMARY: 1930 TO 1955

[In short tons]

ITEM	1930	1935	1940	1945	1950	1953	1954	1955
Production:								
Primary-----	308	160	554	1,155	913	602	831	3,807
Secondary-----	2,900	1,950	4,152	6,483	8,795	8,352	8,605	11,540
Imports (gross weight) ¹ -----	30,143	37,848	92,468	122,528	96,640	131,174	143,662	151,388
Exports (gross weight) ² -----	1,420	2,193	11,994	3,876	3,645	15,168	14,245	20,601
Price per pound ³ -----cents	35	35	35	31½	40—60½	55½—60	60—64½	64½
World production (estimate)-----	59,700	85,300	154,000	160,000	162,000	174,000	192,000	216,000

¹ Excludes "All other manufactures of nickel"; weight not recorded; also excludes nickel bars, etc., scrap, and residues. ² Excludes "Manufactures"; weight not recorded.

³ Price quoted by International Nickel Co., Inc., for electrolytic nickel.

No. 958.—MOLYBDENUM CONCENTRATES—SUMMARY: 1920 TO 1955

[In thousands of pounds of contained molybdenum]

ITEM	1920	1930	1940	1945	1950	1953	1954	1955
Production-----	(¹)	3,723	34,313	30,802	28,480	57,243	58,668	61,781
Shipments from mines-----	35	3,759	25,329	33,683	44,544	53,823	64,021	64,467
Price per pound ² -----dollars	1.23	0.73	0.75	0.75	0.91	1.00	1.00	1.00
Exports ⁴ -----	(¹)	(¹)	6,585	2,863	6,235	7,037	13,547	14,580
Imports for consumption-----	(⁶)	145	—	204	3	—	154	134
Consumption-----	(¹)	(¹)	(¹)	32,696	26,029	31,193	24,710	38,799
Stocks (industry), Dec. 31 ⁵ -----	(¹)	(¹)	(¹)	16,883	4,326	11,326	5,317	2,730
World production (estimate)-----	(¹)	(¹)	37,919	35,715	31,967	62,600	63,900	67,200

¹ Not available. ² Per pound of molybdenum contained. Source: *Engineering and Mining Journal*.

³ 1930 price, July to December only. ⁴ Includes roasted concentrates.

⁵ Content not recorded for the 16,000 pounds of molybdenum ore imported.

⁶ Excludes 460,000 pounds imported for conversion and reexport.

⁷ At mines and at plants making molybdenum products.

No. 959.—GOLD AND SILVER—SUMMARY: 1910 TO 1954

[Includes Alaska. See also *Historical Statistics*, series G 118-121]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Mine production:								
Gold-----1,000 fine ounces	4,585	2,383	2,130	4,870	955	2,394	1,958	1,887
Silver-----do-----	57,599	56,587	47,725	70,436	29,024	42,459	37,571	36,941
Value of production:								
Gold-----\$1,000	94,778	49,261	44,211	170,448	33,410	83,798	68,540	64,306
Silver-----do-----	31,102	61,625	18,374	50,088	20,639	38,425	34,004	33,434
Ore (dry and siliceous) produced: ¹								
Gold ore-----1,000 short tons	{	9,646	8,590	7,767	{	16,550	1,364	3,584
Gold-silver ore-----do-----	{	48,401	88,060	42,761	{	948	277	433
Silver ore-----do-----	{				{	1,201	343	82
Net industrial consumption:								
Gold-----\$1,000	34,161	50,181	15,178	13,306	108,944	97,846	75,000	44,443
Silver-----1,000 fine ounces	23,187	19,280	26,874	44,499	126,300	110,000	106,000	86,000
Imports:								
Gold-----\$1,000	66,549	417,068	396,054	4,749,467	93,718	162,749	47,025	37,853
Silver-----do-----	48,401	88,060	42,761	58,434	27,278	110,035	95,104	79,699
Exports:								
Gold-----do-----	47,425	322,091	115,987	4,995	199,968	534,036	44,808	21,294
Silver-----do-----	71,962	113,616	54,157	3,674	90,937	6,202	8,427	3,686
Price, average per fine ounce: ²								
Gold-----dollars	20.67	20.67	20.67	35.00	35.00	35.00	35.00	35.00
Silver-----do-----	.542	1.019	.385	.711	.711	.905+	.905+	.905+
World production:								
Gold-----1,000 fine ounces	(³)	(³)	20,800	42,300	26,100	32,700	33,700	35,100
Silver-----do-----	(³)	173,300	248,700	275,400	162,000	203,000	221,200	218,000

¹ Gold and silver are also produced from base-metal ores and placers. In 1954, dry and siliceous ores accounted for 41 percent of gold produced and 43 percent of silver.

² Treasury buying price, except for silver prices for 1910-30 which represent New York price.

³ Not available.

Source of tables 957-959: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 960.—GOLD AND SILVER—PRODUCTION, BY STATES AND OTHER AREAS:
1930 TO 1955

[Based upon arrivals at U. S. mints and assay offices and private refineries. See also *Historical Statistics*, series G 118-121, for mine production excluding Puerto Rico and Philippine Islands]

STATE OR OTHER AREA	GOLD (1,000 fine ounces)						SILVER (1,000 fine ounces)					
	1930	1940	1945	1950	1954	1955	1930	1940	1945	1950	1954	1955
	Total	2,286	6,003	929	2,289	1,859	1,877	50,748	69,586	29,063	42,309	35,585
Alaska	407	757	60	276	260	253	392	173	9	50	36	35
Arizona	149	299	78	111	114	128	4,910	6,130	3,411	5,089	4,300	4,600
California	450	1,444	143	410	236	248	1,434	2,225	950	1,000	325	600
Colorado	218	369	102	124	97	87	4,852	9,378	2,407	3,343	2,800	2,510
Idaho	21	145	19	69	14	10	9,710	17,477	8,228	15,933	15,000	14,000
Illinois							2	1	2	7	1	3
Michigan							11	90	20	(1)	-----	503
Missouri							188	145	20	233	283	350
Montana	47	273	42	57	24	26	8,597	12,152	5,493	7,178	5,500	5,829
Nevada	140	380	91	170	80	77	4,179	5,102	1,156	1,634	586	834
New Mexico	32	39	13	7	4	2	1,160	1,576	654	365	110	183
New York							36	14	33	126	49	49
Oregon	14	114	1	10	7	2	10	192	12	12	14	7
Pennsylvania	1	2	2	2	1	2	5	14	11	11	8	11
South Dakota	406	587	41	572	544	527	105	171	41	143	151	153
Tennessee	1	(1)	(1)	(1)	(1)	(1)	86	39	35	26	64	61
Texas	(1)	(1)	(1)	(1)	(1)	(1)	460	1,295	21	4	(1)	(1)
Utah	209	352	271	392	410	442	14,451	11,686	6,244	6,799	6,100	6,270
Vermont							5	20	28	49	50	50
Virginia							(1)	9	(1)	2		2
Washington	4	84	53	89	68	74	30	389	288	358	330	420
Wyoming	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3	(1)	(1)
Philippine Islands	185	1,140	13	(2)	(2)	(2)	121	1,299	17	(2)	(2)	(2)
Other	1	16			(1)	(1)	33	15		(1)	(1)	(1)

¹ Less than 500 ounces.

² Excluded after 1945.

Source: Treasury Department, Bureau of the Mint; *Annual Report of the Director*.

No. 961.—COPPER—MINE PRODUCTION, BY STATES: 1910 TO 1954

[In short tons of recoverable copper]

STATE	1910	1920	1930	1940	1945	1950	1953	1954
Total	544,119	612,275	705,074	878,086	772,894	909,343	926,418	835,472
Alaska	2,121	35,218	16,326	55	5	6		4
Arizona	148,746	279,128	288,095	281,169	287,203	403,301	393,525	377,927
California	24,350	6,313	13,643	6,438	6,473	646	332	362
Colorado	4,180	2,022	5,257	12,152	1,485	3,141	2,941	4,523
Idaho	3,519	1,269	1,556	3,349	1,548	2,107	3,136	4,828
Michigan	111,342	77,348	84,691	45,198	30,401	25,608	24,007	23,503
Missouri		756	88	685	3,399	2,982	2,374	1,925
Montana	142,404	88,530	98,094	126,391	88,506	54,478	77,617	59,349
Nevada	32,180	25,280	54,602	78,454	52,595	52,569	61,850	70,217
New Mexico	2,307	27,200	32,575	69,848	56,571	66,300	72,477	60,558
Pennsylvania					3,565	4,142	3,027	3,270
Tennessee	8,419	8,364	(1)	212,732	6,958	6,851	7,829	9,087
Utah	63,799	58,466	90,263	231,864	226,376	278,630	269,496	211,835
Vermont					1,861	3,504	3,947	4,352
Washington	43	992	603	9,612	5,821	5,057	3,740	3,636
Other States	710	1,390	19,282	139	126	21	10	6

¹ Included in Other States.

² Includes North Carolina and Pennsylvania.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 962.—COPPER—SUMMARY: 1910 TO 1954

[In short tons. Production figures cover United States and Alaska. See also *Historical Statistics*, series G 112-113]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Primary production:								
Mine production-----	544,119	612,275	705,074	878,086	772,894	909,343	926,448	835,472
Smelter production from domestic ores-----	540,080	604,530	697,195	909,084	782,726	911,352	943,301	834,381
Value ----- \$1,000.	137,180	222,467	181,271	205,453	184,723	379,122	541,506	492,285
Refinery production, total-----	711,019	763,083	1,078,530	1,313,556	1,108,509	1,239,834	1,293,117	1,211,919
From domestic ores-----	535,947	591,212	695,612	927,239	775,738	920,748	932,232	841,717
From foreign ores, matte, and blister-----	175,072	171,871	382,918	386,317	332,861	319,086	360,885	370,202
Secondary production, total-----	94,500	312,460	467,200	532,046	1,006,516	977,239	958,464	839,907
From new (purchased) scrap-----	30,000	143,500	125,000	198,156	509,421	492,028	529,076	432,841
From old scrap-----	64,500	168,960	342,200	333,890	497,095	485,211	429,388	407,066
Imports (unmanufactured) ² -----	172,218	242,835	408,577	491,842	853,196	690,389	676,104	594,829
Refined-----	(3)	54,372	43,105	68,337	531,367	317,363	274,111	215,086
Exports of metallic copper ⁴ -----	-----	311,579	376,557	427,650	132,555	192,339	171,393	312,433
Refined (ingots, bars, rods, etc.) ⁶ -----	7354,158	275,613	334,626	377,108	48,563	144,561	109,580	215,951
Withdrawals (apparent) on domestic account:								
New refined copper-----	366,203	526,919	632,508	1,008,785	1,415,000	1,447,000	1,435,000	1,235,000
New and old copper ⁵ -----	460,700	839,500	1,099,500	1,541,000	1,912,000	1,932,000	1,864,000	1,642,000
Stocks, producers, refined copper, per Dec. 31-----	61,402	329,500	307,500	91,500	130,000	26,000	49,000	25,000
World smelter production, new copper-----	946,000	1,057,000	1,760,000	2,734,000	2,436,000	2,915,000	3,275,000	3,275,000

¹ Excludes bonus payments of Office of Metal Reserve.

² Data are for "general imports," i.e., include copper imported for immediate consumption plus material entering country under bond. Comprises copper in ingots, plates, and bars, ores and concentrates, regulus, blister, and scrap. ³ Not separately recorded.

⁴ Total exports of copper, exclusive of ore, concentrate, composition metal, and unrefined copper. Exclusive also of "other manufactures of copper," for which quantity figures are not recorded. Beginning 1953, data not strictly comparable with earlier years, due to changes in classification.

⁵ Includes unrefined copper.

⁶ Beginning 1945, excludes rods.

⁷ Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.).

⁸ Beginning 1945, new copper and old scrap only.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 963.—COPPER—EXPORTS AND IMPORTS: 1891 TO 1956

[Quantities in short tons; values in thousands of dollars. Exports are those classed as "domestic" in foreign trade statistics but include copper smelted or refined in United States from imported ore or unrefined metal. Prior to 1952, values include all forms of copper; quantities represent all copper except some "Other copper manufactures" for which quantity data were not reported. For 1952 and subsequent years, export data exclude certain copper manufactures not reported separately. Copper content of exports of ore for years 1891-1915 and of imports for years 1894-1903 was estimated]

YEARLY AVERAGE	EXPORTS ¹		IMPORTS ²		YEAR	EXPORTS ¹		IMPORTS ²	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891-1895 ³ -----	65,586	14,392	5,477	896	1944-----	237,521	102,697	764,228	165,479
1896-1900-----	137,684	36,745	24,634	5,866	1945-----	132,592	55,212	896,239	194,672
1901-1905 ³ -----	190,451	54,942	83,237	22,611	1946-----	97,513	38,587	355,008	86,384
1906-1910 ³ -----	289,445	92,334	130,111	38,026	1947-----	197,114	102,480	452,822	175,829
1911-1915 ³ -----	416,840	123,655	176,635	46,129	1948-----	209,494	113,563	489,567	203,042
1916-1920 ⁴ -----	376,877	208,905	244,948	103,805	1949-----	171,303	75,763	568,835	224,232
1921-1925-----	438,337	129,761	298,975	77,811	1950-----	174,274	73,262	605,831	242,810
1926-1930-----	491,290	149,999	407,630	108,244	1951-----	152,476	86,077	539,303	279,498
1931-1935-----	246,658	39,920	211,116	29,662	1952-----	195,968	134,035	637,140	411,188
1936-1940-----	378,054	87,680	242,530	47,608	1953-----	156,152	95,510	670,484	433,017
1941-1945-----	208,423	79,333	780,000	164,752	1954-----	300,709	176,044	603,271	362,670
1946-1950-----	169,940	80,734	494,413	186,450	1955-----	253,098	190,634	587,538	455,041
1951-1955-----	211,681	136,460	607,547	388,283	1956-----	275,599	237,130	561,437	500,836

¹ Includes shipments under foreign aid programs such as UNRRA, Interim Aid, ECA, and FOA; civilian supply shipments are included in 1948 and subsequent years.

² General imports prior to 1933; imports for consumption thereafter.

³ Years ending June 30. ⁴ Average for period July 1, 1915, to Dec. 31, 1920.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 964.—LEAD—SUMMARY: 1910 TO 1954

[In short tons. See also *Historical Statistics*, series G 114-115]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Smelter production of refined primary lead	470,272	529,657	643,033	533,179	443,585	508,814	467,891	486,712
From domestic ores and base bullion ¹	375,402	476,849	573,740	433,065	356,535	418,809	328,012	322,271
From foreign ores	18,065	8,414	34,348	83,563	86,932	86,241	139,711	164,353
From foreign base bullion	76,805	44,394	34,945	16,551	118	3,264	168	88
Recovery of secondary lead	55,422	124,050	255,800	260,346	363,039	482,275	486,737	480,925
Imports: ²								
Lead in pigs, bars, and old	3,485	30,719	209	151,568	230,313	461,827	390,510	281,941
Lead in base bullion	57,742	48,052	38,630	19,624	8	3,488	869	41
Lead in ores and matte	47,376	14,744	39,377	111,800	70,005	76,520	160,899	161,413
Exports of refined pig lead ³	(4)	20,093	48,307	23,755	1,408	2,735	803	596
Estimated consumption of primary and secondary lead	(4)	(4)	6708,600	6782,000	1,051,602	1,237,981	1,201,604	1,094,871
Prices (cents per pound):								
New York average	4.4	8.2	5.52	5.18	6.50	13.30	13.48	14.05
London average	2.8	6.15	3.92	(7)	4.99	13.29	11.48	12.03
Mine production of recoverable lead ⁴	382,692	496,814	558,313	457,392	390,831	430,827	342,644	325,419
World smelter production of lead	1,210,000	1,022,000	1,843,000	(4)	1,234,000	1,808,000	2,020,000	2,150,000

¹ Excludes lead content of antimonial lead.² Comprises lead imported for immediate consumption plus material entering country under bond.³ Pigs, bars and anodes.⁴ Not available.⁵ Represents pigs, bars, and old.⁶ Source: American Bureau of Metal Statistics.⁷ Official maximum price fixed by British Ministry of Supply at £25 per long ton. London Metal Exchange dealings suspended for duration of war.⁸ Includes Alaska.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 965.—LEAD, RECOVERABLE—MINE PRODUCTION, BY STATES AND FOR ALASKA: 1920 TO 1954

[In short tons]

STATE	1920	1925	1930	1935	1940	1945	1950	1953	1954
Total	496,814	684,439	558,313	331,103	457,392	390,831	430,827	342,644	325,419
Western States and Alaska	248,131	364,387	312,413	193,439	244,974	184,152	257,303	194,329	171,844
Alaska	875	789	1,365	670	779	11	149	9	-----
Arizona	6,935	11,938	4,246	7,783	13,266	22,867	26,388	9,428	8,385
California	2,407	3,288	1,780	567	1,772	7,224	15,831	8,604	2,671
Colorado	23,315	31,483	22,130	5,678	11,476	17,044	27,007	21,754	17,823
Idaho	118,565	126,521	134,058	79,020	104,834	68,447	100,025	74,610	69,302
Montana	14,846	18,765	10,663	15,589	23,036	9,999	19,617	19,949	14,820
Nevada	10,100	12,238	11,529	12,676	7,499	6,275	9,408	4,371	3,041
New Mexico	1,435	3,210	10,378	7,289	3,822	7,662	4,150	2,943	857
Utah	66,898	153,335	115,495	63,510	75,688	40,817	44,753	41,522	44,972
Washington	2,749	2,814	576	103	2,555	3,802	10,334	11,064	9,938
Other	6	11	203	559	247	4	146	15	5
Central States	246,780	317,375	237,533	132,682	207,587	201,520	168,173	144,088	148,064
Kansas	16,452	22,775	12,910	10,892	11,927	7,370	9,487	3,347	4,033
Missouri	161,812	211,566	199,632	97,493	172,052	176,575	134,626	125,895	125,250
Oklahoma	64,086	79,946	23,052	23,405	21,240	12,664	20,724	9,304	14,204
Other	4,430	3,088	1,939	892	2,368	4,911	3,336	5,537	4,577
Eastern States	11,903	2,677	8,307	4,982	4,831	5,159	4,851	4,232	5,511
New York	-----	-----	-----	-----	1,973	862	1,484	1,435	1,187
Tennessee	1,580	448	8,367	4,982	573	54	113	9	-----
Virginia	-----	2,229	-----	-----	2,285	4,243	3,254	2,788	2,4324

¹ Includes small quantities produced in Massachusetts, Pennsylvania, and Georgia.² Includes 4 tons produced in North Carolina.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 966.—ZINC—PRODUCTION AND PRICES: 1910 TO 1954

[See also *Historical Statistics*, series G 116-117]

ITEM	1910	1920	1930	1940	1945	1950	1953	1954
Smelter production of primary slab zinc,								
total.....	269,184	463,377	498,045	675,275	764,561	843,467	916,105	802,425
Value.....	\$1,000	28,072	75,067	47,812	85,085	131,504	240,051	210,154
Source:								
From domestic ores.....	252,479	450,045	489,361	589,088	467,084	588,291	495,436	380,312
From foreign ores.....	do	16,705	13,332	8,084	8,287	287,477	255,176	420,669
Method:								
Electrolytic.....	percent of total	11	26	28	35	41	40	39
Distilled.....	do	100	89	74	72	65	59	61
Production of redistilled secondary slab zinc.....	short tons	12,784	21,371	234,849	48,917	49,242	66,970	52,875
Average price of common zinc at—								
St. Louis.....	cents per pound	5.42	7.77	4.56	6.34	8.25	13.88	10.86
London ¹	do	5.00	7.40	3.60	(4)	6.18	14.89	9.47
Mine production of recoverable zinc								
short tons	327,712	587,524	595,425	665,068	614,358	623,375	547,430	473,471
Arizona.....	2,742	729	815	15,456	40,226	60,480	27,530	21,461
California.....		583		79	9,923	7,551	5,358	1,415
Colorado.....	38,545	24,395	38,259	5,060	35,773	45,776	37,809	35,150
Idaho.....	2,802	13,966	37,649	70,601	83,463	87,890	72,153	61,528
Illinois.....	3,549	4,720	9	4,818	8,310	26,982	14,556	14,427
Kansas.....	13,229	61,073	74,304	57,032	48,394	27,176	15,515	19,110
Missouri.....	128,589	24,509	10,811	12,703	22,175	8,189	9,981	5,210
Montana.....	15,819	92,169	26,421	52,587	17,403	67,678	80,271	60,952
Nevada.....	1,354	5,349	14,584	11,833	21,457	21,606	5,812	1,035
New Jersey.....	68,678	78,511	97,626	91,406	81,392	65,029	45,700	37,416
New Mexico.....	9,044	5,007	32,765	30,313	40,295	29,263	13,373	6
New York.....		5,654	22,471	35,686	24,978	38,321	51,529	53,199
Oklahoma.....	6,394	219,727	136,153	162,935	69,300	46,739	33,413	43,171
Tennessee.....	966	19,217	48,147	34,796	33,824	35,328	38,465	30,326
Utah.....	8,184	4,079	44,495	43,788	33,630	31,678	29,184	34,031
Virginia.....	794		(9)	16,927	16,075	12,306	16,676	16,738
Washington.....		213	352	11,560	11,693	14,807	32,786	22,304
Wisconsin.....	25,927	27,285	12,558	5,770	15,561	5,722	16,830	15,584
Other States ²	1,096	338	6	1,718	436	766	489	458
World smelter production								
1,000 short tons..	893	796	1,536	1,788	1,404	2,170	2,640	2,710

¹ Excludes bonus payments of Office of Metals Reserve.² Includes small quantity of secondary electrolytic zinc.³ Average price for foreign zinc, based on average rates of exchange recorded by Federal Reserve Board.⁴ Not available. ⁵ Virginia included with Tennessee. ⁶ Includes Alaska.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 967.—TIN—SUMMARY: 1930 TO 1955

[In long tons]

ITEM	1930	1935	1940	1945	1950	1953	1954	1955
Production:								
Domestic mines.....	15	44.5	49		94.1	56.0	205	99.2
Domestic smelters ¹			1,391	40,475	33,118	37,562	27,407	22,329
Secondary sources.....	23,393	24,900	29,700	31,400	31,080	27,600	26,190	28,340
Imports for consumption:								
Metal.....	80,734	64,258	124,810	8,493	82,838	74,570	65,599	64,718
Ore (tin content).....	289	178	3,000	33,479	25,060	35,973	22,140	20,112
Exports (domestic and foreign).....	2,233	2,292	2,664	882	799	203	822	1,107
Monthly price of Straits tin at New York ³								
average cents per pound.....	31.70	50.39	49.82	452.00	95.557	95.77	91.81	94.73
Apparent consumption ⁴	78,501	61,966	123,537	48,086	115,156			
World mine production ⁵	176,000	135,000	239,000	87,000	169,300	179,600	178,800	179,400

¹ Includes tin content of ores used direct to make alloys.² Foreign only, domestic not separately recorded.³ Source: American Metal Market.⁴ Ceiling price.⁵ May vary greatly from actual consumption.⁶ Excludes production of U. S. S. R.Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 968.—BAUXITE—SUMMARY: 1910 TO 1954

[Quantities in thousands of long tons; values in thousands of dollars. See also *Historical Statistics*, series G 127-128 for figures on shipments]

ITEM	1910	1920	1930	1940	1945	1950	1952	1953	1954
Production:									
Crude ore				510	1,145	1,585	1,980	1,864	2,353
Dried bauxite equivalent				439	981	1,335	1,667	1,580	1,995
Value				1,754	5,501	7,693	10,776	13,439	16,403
Shipments: ¹									
Gross weight ²						1,452	2,118	1,949	2,037
Dried bauxite equivalent						1,337	1,808	1,745	1,766
Value						9,549	14,605	15,623	15,945
Imports, quantity ³	16	43	410	630	740	2,516	3,498	4,391	5,284
Value	66	251	1,996	4,299	5,273	15,730	23,194	29,585	36,437
Exports, quantity ³	(3)	22	105	82	126	45	41	28	16
Value	(3)	1,844	3,777	1,543	2,425	1,156	845	886	666
World production	350	887	1,603	4,321	3,376	8,041	12,539	13,425	15,530

¹ Shipments from mines and processing plants to consumers. ² As shipped. ³ Not available.

No. 969.—ALUMINUM—SUMMARY: 1915 TO 1954

[Quantities in short tons; values in thousands of dollars. See also *Historical Statistics*, series G 125-126 for earlier data on primary aluminum]

ITEM	1915	1920	1930	1940	1945	1950	1952	1953	1954
Total U. S. production	53,752	84,521	153,119	286,642	793,447	962,288	1,241,852	1,620,570	1,752,606
Value	22,082	50,864	68,138	104,624	226,161	316,046	456,201	612,415	711,406
Primary aluminum:									
Production	45,252	69,021	114,519	206,286	495,060	718,622	937,339	1,252,013	1,460,565
Value	16,280	41,375	50,961	75,292	140,864	235,977	344,320	496,515	592,637
Price per pound (quoted) ¹	34.13	30.61	23.8	18.7	15.0	17.7	19.4	20.9	21.8
Secondary aluminum:									
Production	8,500	15,500	38,600	80,362	298,387	243,666	304,522	368,566	292,041
Value ²	5,802	9,498	17,177	29,332	85,297	80,069	111,881	146,100	113,569
World production ⁴	93,000	172,000	293,000	868,000	960,000	1,655,000	2,260,000	2,710,000	3,050,000
Total U. S. apparent consumption	(3)	(3)	(3)	272,823	724,061	972,742	1,143,508	1,620,994	1,756,876
Primary aluminum ⁵	49,399	83,967	70,933	227,017	696,750	806,384	1,072,334	1,542,054	1,696,887
Secondary aluminum, recovered from—									
Old scrap	(4)	(4)	(4)	45,806	27,311	76,358	71,264	78,940	250,989
New scrap	(4)	(4)	(4)	34,556	271,076	167,308	233,258	289,626	232,052
Imports, quantity ⁷	4,647	19,650	12,731	18,084	339,285	255,692	150,738	359,481	243,750
Value	1,766	12,184	4,690	4,737	98,285	67,533	54,648	142,471	96,290
Exports, quantity ⁷	(4)	4,704	8,665	27,841	6,703	23,236	10,614	15,355	50,096
Value	(4)	3,068	3,916	17,919	3,116	13,345	7,317	10,199	21,862

¹ N. Y., No. 1 virgin 98-99 percent, 1915-20; 99-percent-plus virgin, 1930-54. Source: *American Metal Market*.
² Not strictly comparable with previous years; 1954 data are recoverable aluminum content; previous years are recoverable aluminum-alloy content.

³ Based upon average price of primary aluminum as reported to Bureau of Mines, or as quoted by the *Engineering and Mining Journal* and the *American Metal Market*.

⁴ Estimated. Source, 1915-30: Imperial Institute. ⁵ Not available.

⁶ Data not available on fluctuations in consumers' stocks, 1915-40, and in producers' stocks, 1915 and 1920.

⁷ Crude and semi-crude (metal and alloys, ingots, slabs, plates, bars, etc., and scrap). Exports for 1952 exclude a small quantity of "primary forms" valued at \$66,600. ⁸ Not comparable with previous years.

No. 970.—MAGNESIUM—SUMMARY: 1920 TO 1954

[In short tons]

ITEM	1920	1930	1940	1945	1950	1952	1953	1954
Production, primary, ingot equivalent	(1)	587	6,261	32,792	15,726	105,821	93,075	69,729
Sales	62	280	6,411	43,496	20,370	104,914	90,041	63,482
Price per pound (quoted) cents	160.0	48.0	27.0	20.5	22.0	24.5	26.6	27.0
Exports: ²								
Metal in primary form ³	(1)	(1)	834	496	586	1,066	2,722	3,096
Powder, ribbons, etc. ⁴	(1)	(1)	(1)	860	860	97	227	161
Imports, metallic and scrap	15	3	54	843	252	2,448	733	
Domestic consumption	(1)	(1)	5,766	43,987	18,051	42,387	46,843	39,218
World production	(1)	(1)	42,000	68,000	50,000	170,000	170,000	140,000

¹ Not available. ² Beginning 1952, data not comparable with earlier years.

³ Alloy exports in addition: 25 tons in 1940, 22 tons in 1945, none in 1950-54.

Source of tables 968-970: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

Section 29

Construction and Housing

This section presents various measures of construction activity and costs, dwelling units, housing values, facilities, and structural characteristics, and residential financing.

The principal sources of these data are the monthly *Construction Review*, a joint publication of the Business and Defense Services Administration and the Bureau of Labor Statistics, which assembles data on the value of contract awards, construction activity cost and seasonal indexes, housing starts and vacancy rates, building permits, construction materials production, shipments and inventories, materials prices, wage rates and employment; and the *U. S. Census of Housing: 1950*, the reports of the decennial Census of Housing conducted by the Bureau of the Census. Other sources which specialize in particular types of construction or housing statistics are: The monthly *Dodge Statistical Research Service* of F. W. Dodge Corporation, which presents State data on construction contracts awarded; the *Engineering News-Record* issued weekly by the McGraw-Hill Publishing Company, Inc., which contains figures on contract awards and construction costs; the *Annual Report* of the Housing and Home Finance Agency which offers public housing statistics from its Public Housing Administration; and the *Annual Report* of the Federal Home Loan Bank Board which presents home mortgage data. Monthly data on the characteristics of vacant dwelling units are also collected by the Bureau of the Census and are presented quarterly in its *Housing and Construction Reports*.

Construction.—Monthly estimates of the value of construction put in place are prepared jointly by the Business and Defense Services Administration and the Bureau of Labor Statistics and appear in the *Construction Review*. Estimates of privately financed nonresidential construction are primarily the responsibility of the Business and Defense Services Administration. Construction estimates for buildings such as stores, warehouses, and factories are based on F. W. Dodge Corporation reports of construction contracts awarded, supplemented by building permit data and information from secondary sources for States which the Dodge Corporation does not cover. Public utility construction estimates are the responsibility of the Business and Defense Services Administration and are derived from data compiled by the Interstate Commerce Commission and other Federal regulatory agencies, and by private associations such as the American Gas Association and the American Transit Association.

State and local governmental construction of all types is the joint responsibility of the Business and Defense Services Administration and the Bureau of Labor Statistics. These data are derived from reports issued by numerous construction news services such as the F. W. Dodge Corporation, and *Engineering News-Record*, and from official reports issued by State and local government agencies. Estimates of Federally financed construction and housing construction activity are primarily the responsibility of the Bureau of Labor Statistics. Certain of the Federal agencies administer Federally aided construction programs; other agencies administer the construction of Federally owned facilities. Construction activity data of this type are derived by the Bureau of Labor Statistics from the reports of the respective Federal agencies. Estimates of residential construction activity, including number of housing units started, by type of structure and source of funds, and average construction costs are based primarily upon reports of building permits granted which are received from about 7,000 permit-granting authorities. Field surveys on a sample basis are used to obtain data of housing activity in nonpermit areas.

Note.—This section presents data for the most recent year or period available on May 17, 1957, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

Housing.—The first Census of Housing was taken in 1940, although some housing data were collected by the Bureau of the Census in earlier years in conjunction with Censuses of Population and Agriculture. Housing data were collected in sample surveys by the Bureau of the Census in October 1944, November 1945, April 1947, and May 1948 as part of the Current Population Survey (see page 2 for discussion of Survey). A second Census of Housing was taken in 1950. In 1955, a monthly vacancy survey was begun. Results from this survey are issued on a quarterly basis. Data on home ownership were collected in the Current Population Surveys of February 1956 and February 1957.

Dwelling unit.—In general, a dwelling unit is a group of rooms or a single room occupied, or intended for occupancy, as separate living quarters by a family or other group of persons living together or by a person living alone. Living quarters of the following types are not included in the dwelling-unit inventory: Rooming houses with five lodgers or more, transient accommodations (tourist courts, hotels, etc.), and barracks for workers (railroad, construction, etc.).

The count of dwelling units in the 1950 Census may be considered comparable with the count in the 1940 Census. Counts of total vacant units in 1950 are considered more inclusive than in 1940. In 1940, vacant units were enumerated only if they were habitable; vacant units which were uninhabitable and beyond repair were omitted. In 1950, all vacant units, whether or not dilapidated, were included if they were intended for occupancy as living quarters.

Residential financing.—Statistics on residential financing were collected on a sample basis as part of the 1950 Census of Housing. The survey covered nonfarm residential mortgaged properties, both owner and rental. The data are expressed in terms of mortgaged properties, number of mortgages, and outstanding mortgage debt. Construction mortgages were excluded.

Data on home mortgages and foreclosures, based largely on reports from major holders, are provided by the Federal Home Loan Bank Board. The Federal Housing Administration compiles from its records data on its real estate financial operations, such as volume of mortgages insured, type of lending institution, etc. The Veterans Administration also compiles from its records data on amounts and types of loans. For explanation of the relationship between the data obtained in the 1950 Census of Housing and those compiled from other sources, see Department of Commerce, Bureau of the Census, 1950 Census of Housing, Volume IV, *Residential Financing*.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series H 1-26") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

Fig. XXXVI.—VALUE OF PRIVATE AND PUBLIC CONSTRUCTION IN CURRENT DOLLARS: 1940 to 1956
[Represents value of construction put in place. See table 971]

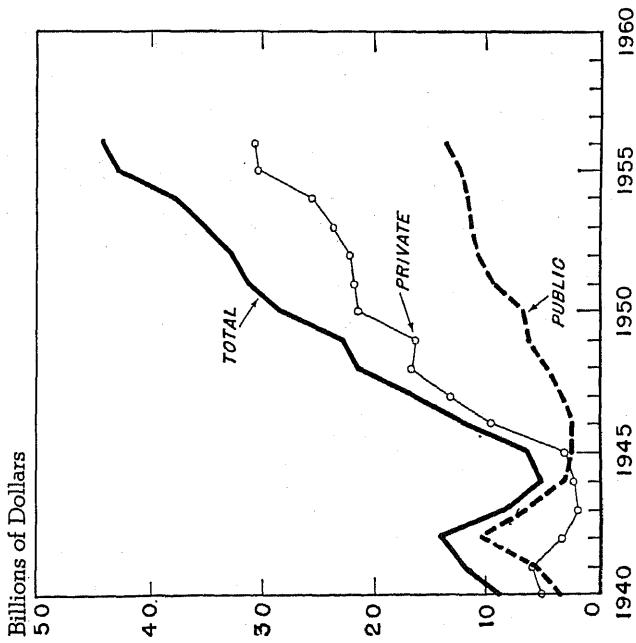
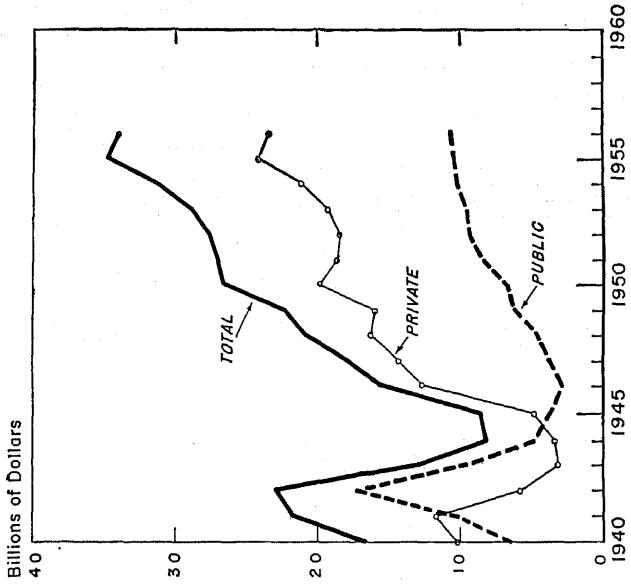


Fig. XXXVII.—VALUE OF PRIVATE AND PUBLIC CONSTRUCTION IN 1947-49 PRICES: 1940 to 1956
[Represents value of construction put in place. See table 972]



Source of figs. XXXVI and XXXVII: Department of Commerce, Business and Defense Services Administration.

No. 971.—VALUE OF PRIVATE AND PUBLIC CONSTRUCTION: 1915 TO 1956

[In millions of dollars. Represents value of construction put in place during year; consequently differs from building permit and construction contract data which measure value of work started. In addition, coverage generally broader than permit and contract data. Includes value and cost of installation of equipment which is integral part of structure, but not that of machinery, shipbuilding, or land costs. See also *Historical Statistics*, series H 1-26.]

TYPE OF CONSTRUCTION	1915	1920	1925	1930	1935	1940	1945	1946	1947
Total	4,969	9,726	14,963	12,599	7,359	12,775	11,692	20,016	27,030
New construction									
Private	3,262	6,749	11,439	8,741	4,232	8,682	5,633	12,000	16,689
Residential (nonfarm)	2,543	5,397	9,301	5,883	1,999	5,054	3,235	9,638	13,256
Nonresidential building ¹	1,220	2,015	5,515	2,075	1,010	2,985	1,100	4,015	6,310
Industrial	478	1,964	2,060	2,003	472	1,025	1,020	3,341	3,142
Office buildings and warehouses	197	1,099	513	532	158	442	642	1,689	1,702
Stores, restaurants, and garages	(2)	258	387	596	75	91	56	331	237
Other nonresidential buildings	(2)	240	607	578	103	235	175	520	584
Farm construction	229	566	311	193	126	240	267	856	1,397
Operators' dwellings	109	266	141	107	61	145	100	409	683
Service buildings	120	300	170	86	65	95	167	447	714
Public utility	549	771	1,302	1,527	363	771	827	1,374	2,338
Railroad	211	184	383	521	116	167	264	268	318
Electric light and power ²	92	262	421	377	87	311	245	443	793
Manufactured and natural gas	41	78	171	181	48	91	141	270	540
Telephone and telegraph	43	124	210	333	52	122	117	305	510
Other public utility ⁴	132	123	107	115	60	80	60	98	177
All other private	67	81	113	85	28	33	21	52	69
Public	719	1,352	2,138	2,858	1,233	4,628	2,398	2,362	3,433
Residential					9	80	80	374	200
Nonresidential building	217	283	573	600	328	615	937	354	599
Industrial	(1)	(1)	(1)	(1)	2	164	755	113	96
Educational	(2)	190	400	364	153	156	59	101	237
Hospital and institutional	(2)	33	61	118	38	54	85	85	85
Other nonresidential	(2)	60	112	178	135	241	38	55	131
Military facilities	17	161	8	29	37	385	690	188	204
Highway	302	656	1,082	1,516	845	1,302	398	995	1,461
Sewer and water	108	153	278	343	175	338	97	194	351
Conservation and development	36	55	73	137	700	528	130	240	394
All other public	41	44	124	173	139	260	66	117	234
Maintenance and repair	1,707	2,977	3,524	3,858	1,327	5,093	6,059	8,016	10,341

TYPE OF CONSTRUCTION	1948	1949	1950	1951	1952	1953	1954	1955	1956
Total	33,440	34,711	40,488	44,514	47,101	49,577	52,376	58,854	(6)
New construction									
Private	21,678	22,789	28,454	31,182	33,008	35,271	37,782	42,991	44,258
Residential (nonfarm)	16,853	16,384	21,451	21,764	22,107	23,877	25,853	30,572	30,825
Nonresidential building ¹	8,580	8,267	12,600	10,973	11,100	11,930	13,496	16,595	15,339
Industrial	3,621	3,228	3,777	5,152	5,014	5,680	6,250	7,612	8,801
Office buildings and warehouses	1,397	972	1,062	2,117	2,320	2,299	2,030	2,399	3,065
Stores, restaurants, and garages	352	321	402	544	515	739	958	1,136	1,362
Other nonresidential buildings	901	706	886	827	622	1,052	1,254	1,907	1,934
Farm construction	971	1,229	1,427	1,664	1,557	1,660	2,008	2,170	2,440
Public utility	1,544	1,488	1,635	1,846	1,905	1,731	1,645	1,600	1,500
Railroad	379	352	315	399	438	442	353	374	430
Electric light and power ²	1,058	1,308	1,288	1,353	1,650	1,829	1,900	1,800	1,900
Manufactured and natural gas	633	878	1,102	1,275	1,080	1,229	1,108	1,275	1,400
Telephone and telegraph	713	533	440	487	570	615	655	805	960
Other public utility ⁴	210	197	205	215	265	301	325	350	375
All other private	65	78	112	64	85	120	121	161	120
Public	4,825	6,405	7,000	9,418	10,901	11,394	11,929	12,419	13,433
Residential	156	359	345	505	654	556	336	263	292
Nonresidential building	1,301	2,068	3,284	3,497	4,136	4,346	4,641	4,227	4,061
Industrial	196	177	224	974	1,684	1,771	1,506	721	431
Educational	618	934	1,133	1,513	1,619	1,714	2,134	2,442	2,543
Hospital and institutional	223	477	496	528	473	365	365	331	309
Other nonresidential	244	450	531	482	360	496	636	733	773
Military facilities	158	137	177	887	1,388	1,807	1,030	1,297	1,398
Highway	1,774	2,131	2,272	2,518	2,820	3,160	3,870	4,520	5,100
Sewer and water	535	619	659	775	790	883	932	1,085	1,275
Conservation and development	629	793	881	853	854	830	704	593	675
All other public	272	298	282	293	259	312	366	434	632
Maintenance and repair	11,762	11,922	12,034	13,332	14,093	14,306	14,594	15,863	(6)

¹ Public industrial and commercial building not segregable from private construction, 1915-32; amount believed negligible. Excludes building by privately owned public utilities.

² Not available separately.

³ Includes construction with R.E.A. funds.

⁴ Local transit and petroleum pipe line.

⁵ Includes work-relief construction.

⁶ Not available.

VALUE OF CONSTRUCTION

753

No. 972.—VALUE OF PRIVATE AND PUBLIC CONSTRUCTION ADJUSTED IN 1947-49 PRICES, AND INDEX OF PHYSICAL VOLUME: 1915 TO 1956

[In millions of dollars. For description and computation of the various indexes used in the derivation of constant values, see source. See also table 971.]

TYPE OF CONSTRUCTION	1915	1920	1925	1930	1935	1940	1945	1946	1947
New construction, total.....	11,503	10,546	22,504	17,440	9,081	16,766	8,430	15,531	17,784
Index of physical volume (1947-49 = 100).....	57	52	111	86	45	89	42	77	88
Private.....	9,096	8,777	18,913	12,047	4,841	10,114	4,777	12,549	14,112
Residential.....	4,569	3,398	11,514	4,261	2,506	5,913	1,562	5,170	6,707
Nonresidential building ¹	1,949	3,245	4,331	4,475	1,255	2,222	1,636	4,485	3,375
Industrial.....	776	1,777	1,067	1,307	395	919	998	2,133	1,817
Office buildings and warehouses.....	(2)	459	688	1,114	187	173	86	417	251
Stores, restaurants, and garages.....	(2)	610	1,262	697	304	501	251	1,180	670
Other nonresidential buildings.....	(2)	399	1,314	1,357	299	539	301	755	637
Farm construction.....	781	902	623	409	314	573	377	1,097	1,459
Operators' dwellings.....	394	440	293	232	158	355	143	530	707
Service buildings.....	387	402	330	177	156	218	234	567	752
Public utility.....	1,538	1,110	2,234	2,742	709	1,347	1,172	1,731	2,496
Railroad.....	626	225	620	898	232	312	351	312	339
Telephone and telegraph.....	103	159	318	548	100	224	166	300	522
Other public utility.....	809	726	1,296	1,296	377	811	655	1,029	1,635
All other private.....	259	122	211	160	57	59	30	66	75
Public.....	2,407	1,769	3,591	5,393	4,240	6,652	3,653	2,982	3,672
Residential.....	—	—	—	—	22	395	115	474	223
Nonresidential building.....	1,009	471	1,240	1,549	924	1,320	1,527	495	644
Industrial.....	(1)	(1)	(1)	(1)	5	336	1,212	145	102
Educational.....	(2)	316	866	854	432	332	102	146	309
Hospital and institutional.....	(2)	55	132	277	107	124	147	125	92
Other nonresidential buildings.....	(2)	100	243	418	380	528	66	79	141
Military facilities.....	54	237	15	60	85	791	1,065	245	217
Highway.....	657	674	1,448	2,548	1,448	2,409	526	1,074	1,532
Sewer and water.....	409	231	519	645	335	531	138	244	379
Miscellaneous public service enterprises.....	135	65	226	303	124	196	80	125	177
Conservation and development.....	130	83	136	253	1,200	829	186	302	424
All other public.....	4	8	7	30	102	181	16	23	76

TYPE OF CONSTRUCTION	1948	1949	1950	1951	1952	1953	1954	1955	1956
New construction, total.....	20,763	22,177	26,608	26,988	27,662	28,931	31,094	34,476	33,810
Index of physical volume (1947-49 = 100).....	103	110	131	133	137	143	153	170	167
Private.....	16,156	15,956	19,885	18,677	18,428	19,433	21,000	24,155	23,262
Residential.....	8,167	8,128	11,634	9,457	9,311	9,840	11,214	13,378	11,844
Nonresidential building ¹	3,474	3,124	3,566	4,494	4,211	4,655	5,073	5,995	6,625
Industrial.....	1,335	954	1,004	1,790	1,790	1,807	1,690	1,946	2,362
Office buildings and warehouses.....	344	313	396	500	461	640	789	898	1,027
Stores, restaurants, and garages.....	864	677	828	733	525	857	998	1,473	1,432
Other nonresidential buildings.....	928	1,180	1,338	1,471	1,316	1,351	1,596	1,678	1,804
Farm construction.....	1,485	1,479	1,583	1,616	1,343	1,484	1,407	1,350	1,211
Operators' dwellings.....	708	699	741	764	781	704	672	643	573
Service buildings.....	777	780	842	852	862	780	738	707	638
Public utility.....	2,066	3,151	3,001	3,056	3,194	3,362	3,216	3,310	3,501
Railroad.....	365	342	299	352	378	363	291	301	331
Telephone and telegraph.....	701	526	402	413	470	481	514	614	701
Other public utility.....	1,900	2,283	2,300	2,291	2,351	2,518	2,411	2,404	2,469
All other private.....	64	74	101	54	69	92	90	113	81
Public.....	4,607	6,221	6,723	8,311	9,234	9,498	10,094	10,321	10,548
Residential.....	149	353	321	512	550	459	281	213	225
Nonresidential building.....	1,241	1,990	2,237	3,050	3,465	3,531	3,743	3,209	3,015
Industrial.....	186	173	212	821	1,384	1,434	1,253	588	331
Educational.....	591	897	1,061	1,337	1,375	1,397	1,696	1,888	1,885
Hospital and institutional.....	212	458	467	466	401	297	280	257	227
Other nonresidential.....	252	462	497	426	305	403	505	566	572
Military facilities.....	152	134	171	788	1,195	1,165	872	1,067	1,093
Highway.....	1,672	2,128	2,367	2,349	2,489	2,851	3,689	4,249	4,480
Sewer and water.....	520	586	590	655	639	681	724	770	859
Miscellaneous public service enterprises.....	180	190	164	168	148	146	156	192	299
Conservation and development.....	608	750	786	721	694	639	520	421	455
All other public.....	85	90	87	68	54	86	109	110	122

1 Public industrial and commercial building not segregable from private construction, 1915-32; amount believed negligible. Excludes building by privately owned public utilities.

2 Not available separately.

Source: Department of Commerce, Business and Defense Services Administration, and Department of Labor, Bureau of Labor Statistics; *Construction Review* (a joint publication).

CONSTRUCTION AND HOUSING

No. 973.—VALUE OF NEW CONSTRUCTION, BY TYPE, FOR SELECTED MONTHS: 1955 TO 1957
[In millions of dollars]

TYPE OF CONSTRUCTION	1955					1956					1957, Mar.
	Mar.	June	Aug.	Oct.	Dec.	Mar.	June	Aug.	Oct.	Dec.	
New construction, total	3,008	3,936	4,205	4,037	3,258	3,071	4,105	4,304	4,133	3,370	3,172
Private	2,208	2,766	2,803	2,810	2,435	2,260	2,786	2,882	2,766	2,472	2,259
Residential building (nonfarm)	1,185	1,545	1,587	1,509	1,279	1,116	1,417	1,440	1,365	1,202	1,013
New dwelling units	1,085	1,380	1,435	1,360	1,160	1,000	1,235	1,260	1,195	1,060	890
Additions and alterations	79	133	119	116	88	86	142	139	129	102	89
Nonhousekeeping	21	32	33	33	31	30	40	41	41	40	34
Nonresidential building	555	633	680	721	679	655	760	788	793	768	709
Industrial	186	190	205	219	223	226	263	276	274	270	269
Commercial	208	259	286	306	270	257	290	293	287	272	249
Office buildings and warehouses	52	90	99	106	109	97	106	123	130	128	118
Stores, restaurants, and garages	126	169	187	200	161	160	184	170	157	144	131
Other nonresidential building	161	184	195	196	186	172	207	219	232	226	201
Religious	53	62	68	68	62	53	62	71	76	73	63
Educational	37	39	43	45	44	39	46	49	49	46	40
Hospital and institutional	28	30	31	30	27	25	25	28	31	32	36
Social and recreational	16	22	23	21	20	18	23	27	27	25	23
Miscellaneous	27	31	30	32	33	37	51	44	49	50	29
Farm construction	115	160	172	132	98	109	150	161	122	90	105
Public utility	339	412	434	437	369	373	448	481	474	402	419
Railroad	26	34	35	39	30	33	38	39	41	34	35
Telephone and telegraph	60	72	76	75	72	75	85	90	85	75	115
Other public utility	253	306	323	328	267	265	325	352	348	293	269
All other private	14	16	14	11	10	7	11	12	12	10	13
Public	800	1,170	1,312	1,227	823	811	1,319	1,422	1,367	898	913
Residential building	23	24	23	22	21	19	26	24	30	27	30
Nonresidential building	348	383	380	350	286	301	350	392	373	311	345
Industrial	76	68	51	40	30	31	38	43	42	33	42
Educational	190	217	223	212	186	195	221	236	226	200	215
Hospital and institutional	27	31	32	28	20	23	26	31	32	23	26
Other nonresidential building	55	67	74	70	50	52	74	82	73	55	62
Military facilities	81	119	131	136	97	89	134	142	140	108	95
Highway	196	449	569	524	263	225	565	605	575	250	240
Sewer and water	81	99	105	97	66	92	115	125	120	100	104
Sewer	45	56	59	54	22	50	63	69	65	55	53
Water	30	43	46	43	44	42	52	52	56	45	46
Public service enterprises	14	26	35	31	10	31	42	49	42	32	31
Conservation and development	45	56	54	52	46	42	62	67	69	56	52
All other public	12	14	15	15	34	12	16	18	18	14	16

No. 974.—NEW PUBLIC CONSTRUCTION, BY SOURCE OF FUNDS, OWNERSHIP, AND TYPE: 1950 TO 1956
[In millions of dollars]

SOURCE OF FUNDS, OWNERSHIP, AND TYPE OF CONSTRUCTION	1950	1951	1952	1953	1954	1955	1956
	7,000	9,418	10,901	11,394	11,929	12,419	13,433
Public construction, total							
Federal funds	2,090	3,461	4,805	4,851	4,154	3,537	3,642
Direct Federal	1,625	2,982	4,186	4,151	3,445	2,778	2,760
Federal grants-in-aid ¹	465	479	619	700	709	759	882
State and local funds	4,910	5,957	6,096	6,543	7,775	8,582	9,791
Federally owned	1,625	2,982	4,186	4,151	3,445	2,778	2,760
Residential building	15	10	16	21	5	1	25
Nonresidential building	490	1,183	1,871	1,928	1,641	802	567
Industrial	224	974	1,684	1,771	1,506	721	431
Educational		2	18	9	9	6	8
Hospital	146	132	113	66	35	22	38
Other nonresidential	129	75	56	82	91	53	90
Military facilities	177	887	1,388	1,307	1,030	1,297	1,398
Highway	46	42	50	58	55	75	85
Conservation and development	881	853	854	830	704	593	675
All other federally owned	7	7	7	7	10	10	10
State and locally owned	5,375	6,436	6,715	7,243	8,484	9,641	10,673
Residential building	330	585	638	535	331	262	267
Nonresidential building	1,885	2,314	2,285	2,418	3,000	3,425	3,494
Educational	1,133	1,511	1,601	1,705	2,125	2,436	2,540
Hospital	350	396	360	299	330	309	271
Other nonresidential	402	407	304	414	545	680	683
Highway	2,226	2,476	2,770	3,102	3,815	4,445	5,015
Sewer and water	659	775	790	883	982	1,085	1,275
Sewer	383	425	435	520	568	615	700
Water	276	350	355	363	414	470	575
All other State and locally owned	275	286	252	305	356	424	622

¹ Construction programs currently receiving Federal grants-in-aid cover highways, schools, hospitals, airports, and miscellaneous community facilities.

No. 975.—BUILDING PERMIT ACTIVITY—VALUE BY CLASS OF CONSTRUCTION AND OWNERSHIP: 1954 TO 1956

[In thousands of dollars. Covers building activity in all urban and rural-nonfarm localities having building-permit systems. Such localities (approximately 7,000) include about 80 percent of the nonfarm population of the country, according to the 1950 Census. Compiled from estimates of construction costs made by prospective builders when applying for permits to build, and value of contracts awarded by the Federal Government. State and local government construction is reported by local officials]

CLASS OF CONSTRUCTION	1954	1955	1956
All building construction.....	16,485,791	18,938,953	18,760,732
New dwelling units.....			
Privately owned.....	9,855,625	11,535,064	10,128,491
1-family.....	9,696,302	11,386,379	9,902,081
2- to 4-family.....	8,918,989	10,643,085	9,211,326
5-or-more-family.....	208,605	202,331	302,666
Publily owned.....	450,708	450,964	448,099
Nonhousekeeping buildings.....	159,323	148,685	176,400
New nonresidential buildings.....	5,024,057	5,593,604	6,649,668
Commercial buildings.....	1,591,388	1,858,686	2,078,011
Amusement buildings.....	97,620	99,397	113,306
Commercial garages.....	60,115	66,686	60,005
Gasoline and service stations.....	119,925	140,041	165,464
Office buildings.....	454,144	553,420	734,419
Stores and other mercantile buildings.....	850,575	999,132	1,004,727
Community buildings.....	1,875,333	1,946,241	2,225,718
Educational buildings.....	1,177,667	1,242,328	1,407,093
Institutional buildings.....	336,196	307,742	367,829
Religious buildings.....	361,469	396,171	450,796
Garages, private residential.....	166,369	187,635	201,904
Industrial buildings.....	662,275	830,438	1,260,530
Public buildings.....	318,148	306,637	326,884
Public utilities buildings.....	209,427	273,098	326,715
All other nonresidential buildings.....	201,118	190,959	229,905
Additions, alterations, and repairs.....	1,460,912	1,649,115	1,830,418

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 976.—INDEXES OF WHOLESALE PRICES OF BUILDING MATERIALS: 1950 TO 1956

[1947-49=100]

COMMODITY	1950	1954	1955	1956	COMMODITY	1950	1954	1955	1956
All building materials.....	109.5	120.2	125.5	130.6	Metal and metal products:				
Lumber and wood products:					Structural steel shapes.....	121.1	143.8	151.9	162.9
Lumber.....	114.5	117.3	124.4	127.2	Hardware (finish).....	114.2	137.1	140.7	147.7
Douglas fir.....	117.6	119.4	130.5	129.9	Plumbing equipment.....	108.2	118.4	125.4	133.9
Southern pine.....	108.0	110.7	115.2	119.2	Enamaled iron fixtures.....	115.5	129.2	130.3	126.9
Other softwoods.....	118.9	130.4	136.8	137.4	Vitreous china fixtures.....	114.1	111.7	118.9	124.2
Hardwood.....	114.8	112.4	118.4	125.9	Brass fittings.....	100.5	116.4	126.5	141.6
Millwork.....	114.6	130.6	128.7	129.1	Heating equipment.....	105.1	114.3	115.0	119.0
Plywood.....	106.5	108.1	105.4	101.7	Metal doors, sash, trim.....	110.0	129.4	139.4	145.6
Softwood plywood.....	113.8	107.2	110.3	100.8	Nonmetallic mineral items:				
Hardwood plywood.....	101.4	100.3	102.6	104.7	Concrete ingredients.....	106.8	121.0	124.8	130.6
Chemical and allied products:					Portland cement.....	108.0	128.6	131.4	139.7
Paint and paint materials:	96.8	(1)	(1)	(1)	Concrete products.....	105.5	117.5	118.6	123.0
Prepared paint.....	99.3	112.8	114.5	120.0	Structural clay products.....	112.6	133.1	140.1	148.0
Paint materials.....	90.9	96.3	96.8	99.9	Gypsum products.....	104.6	122.1	122.1	127.1
					Insulation materials.....	101.1	109.6	106.6	101.5
					Building board ²	107.6	127.7	130.9	136.9

¹ Discontinued January 1954.

² Includes paperboard for 1950 and 1954.

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 977.—CONSTRUCTION AND

[1947-1949=100. Indexes of certain of these firms are published on different bases than shown here; for factors
Historical Statistics, series H 64, 65, and 73,

	ITEM	1915	1920	1925	1930
1	Bureau of Labor Statistics: Composite of materials prices and hourly earnings in building construction ¹				
2	Wholesale prices of building materials ²	27.9	78.2	53.0	46.8
3	Average hourly earnings in building construction ³				
4	Union hourly wage scales in the building trades ⁴	23.2	43.6	51.6	60.4
5	Bureau of Public Roads: Highways ⁵	46.0	97.4	74.7	59.5
6	Department of Commerce: Composite ⁶	28.4	64.0	50.8	50.1
7	Abortion Company: Industrial buildings ⁷	(8)	(8)	62.4	59.6
8	American Appraisal Company: Building construction ⁸	21.5	60.2	45.8	43.2
9	Associated General Contractors of America: General construction ¹⁰ E. H. Boeckh and Associates: ¹¹	30.9	76.4	61.5	61.9
10	Small residential structures: Composite ¹²	26.7	59.3	47.9	48.7
11	Brick	26.6	59.3	48.4	49.0
12	Frame	26.8	59.3	47.6	48.4
13	Apartments, hotels, and office buildings: Composite ¹²	27.6	61.3	50.6	50.9
14	Brick and concrete	27.9	60.8	52.4	52.8
15	Brick and steel	28.1	63.4	51.0	51.0
16	Brick and wood	26.7	59.7	48.4	49.0
17	Commercial and factory buildings: Composite ¹²	28.5	60.8	50.9	51.4
18	Brick and concrete	28.2	59.5	52.9	53.2
19	Brick and steel	29.0	60.9	51.7	52.4
20	Brick and wood	26.5	60.3	49.5	49.5
21	Steel	32.8	66.1	54.8	55.0
22	Engineering News-Record: ¹³ Building construction	28.3	61.6	54.4	55.1
23	General construction	20.6	55.8	45.9	45.0
24	George A. Fuller Company: Commercial buildings ¹⁴	30.8	55.5	52.2	54.4
25	Turner Construction Company: Building construction ¹⁵	25.5	62.7	47.9	40.8
26	Whitman, Requardt and Associates (Handy-Whitman Index): ¹⁶ Public-utility construction: Building	34.0	68.3	55.0	49.9
27	Gas plant	27.3	61.2	52.7	49.5
28	Electric light and power ¹⁷	29.2	58.7	52.9	52.1

¹ Represents combination of indexes of wholesale prices of building materials (weighted 61.4 percent) and average of hourly earnings in building construction (weighted 38.6 percent).

² Covers materials either (a) physically incorporated as integral part of a building or (b) normally installed during construction and not removable without seriously impairing building. Excludes consumer durables, as kitchen ranges, refrigerators, etc.

³ Covers both full- and part-time construction workers through working foreman level, engaged on-site or off-site in actual construction work (including preassembly and precutting operations) who are employed by general contractors and by subcontractors engaged in special trades, such as plumbing, painting, etc. Excludes all non-construction workers employed by these firms.

⁴ Based on minimum wage rates agreed upon through collective bargaining; excludes overtime. As of May 15 through 1935; June 1 for 1940; July 1, thereafter.

⁵ For 1915 and 1920, based on weighted average of Interstate Commerce Commission indexes; 1925-1955, based on average contract unit bid prices for composite mile (involving specific average amounts of excavation, paving, reinforced steel, structural steel, and structural concrete).

⁶ Covers both building and nonbuilding construction excluding maintenance and repair. Represents a weighted average of various indexes both private and government used for different types of construction.

⁷ Represents composite of 36 major cost items in construction of 5 types (3 4-story and 2 1-story) of industrial buildings in New England. Confined to labor, materials, and other costs actually required (including insurance, taxes other than Federal and State income, and contributions to union health and welfare fund) for construction of the building. Excludes home-office overhead, profit on the job, and architectural and engineering fees.

⁸ Not available.

⁹ Average for 30 cities (prior to 1925, 24 cities) of 4 types of buildings: Wood-frame, brick-wood frame, brick-steel frame, and reinforced concrete. Covers materials and labor costs in structural portion of buildings but excludes materials and labor prices for plumbing, heating, lighting, sprinklers, and elevators. Reflects employee-benefit costs, and allows for contractors' overhead and profit.

BUILDING COST INDEXES: 1915 TO 1956

used in converting to 1947-49 base and for detail discussion, see source publication. For index on 1913=100, see or AAC, ENR (const.), and Turner indexes]

1935	1940	1945	1950	1951	1952	1953	1954	1955	1956	
44.6	50.6	66.9	110.3	110.9	121.6	126.2	128.9	133.5	139.6	1
44.4	49.4	61.3	109.5	119.6	118.2	119.9	120.2	125.5	130.6	2
44.9	52.6	75.7	111.5	120.3	126.9	136.2	142.8	146.1	153.8	3
51.3	63.3	72.2	110.7	117.8	125.1	131.6	136.4	141.2	147.7	4
56.0	49.7	75.7	95.6	106.7	112.8	111.2	105.0	106.1	113.4	5
46.6	50.1	66.7	106.5	115.5	119.2	122.0	121.5	124.6	130.7	6
56.7	61.8	75.6	102.8	118.1	122.0	124.2	126.2	127.5	(8)	7
34.5	43.4	57.7	106.4	113.2	117.7	122.7	125.7	129.3	135.1	8
54.4	58.4	71.4	110.4	116.7	119.8	126.5	131.9	135.7	142.8	9
40.3	50.5	70.1	107.7	116.0	119.1	121.2	120.3	123.9	129.4	10
41.1	51.1	70.1	108.1	116.6	119.9	122.3	121.8	125.4	131.1	11
38.5	49.8	70.1	107.3	115.5	118.2	120.0	118.7	122.3	127.7	12
44.5	54.8	71.3	109.6	118.0	122.0	125.8	126.8	130.6	137.0	13
47.0	57.4	71.8	110.7	119.0	123.8	128.7	131.1	135.1	141.8	14
45.6	56.1	71.8	109.8	118.5	122.3	126.5	127.7	131.6	138.3	15
41.1	51.2	70.3	108.2	116.7	120.0	122.4	121.9	125.4	131.2	16
45.1	55.2	71.6	109.5	117.9	121.9	126.2	127.7	131.9	138.7	17
47.8	57.6	71.8	110.4	118.3	123.6	130.0	133.1	137.3	144.1	18
47.1	57.5	72.2	110.5	119.1	123.9	129.3	132.1	136.7	144.4	19
43.3	52.6	70.3	108.7	117.5	121.1	124.1	124.3	127.7	133.8	20
50.4	60.7	73.9	111.0	120.0	124.4	130.1	133.0	138.2	147.1	21
49.3	60.3	71.1	111.6	119.1	123.5	128.1	132.5	139.3	145.9	22
43.6	53.7	68.3	113.2	120.5	126.4	133.2	139.5	146.5	153.8	23
45.2	52.7	65.0	101.9	109.4	112.6	116.0	121.0	124.2	129.6	24
39.9	47.5	63.6	105.2	117.8	121.4	123.2	120.6	122.9	134.2	25
47.8	53.3	65.8	111.9	121.0	123.9	130.3	134.9	141.2	154.3	26
50.0	57.9	66.3	111.0	120.7	123.8	129.3	135.9	142.0	154.9	27
54.6	62.4	68.9	112.9	127.4	130.5	137.4	141.4	145.8	159.0	28

¹⁰ Covers both building and nonbuilding construction. Wages and materials for 12 cities combined in 40-6 ratio. Wages are for hod carriers and common laborers only. Materials weighted: Sand, gravel, crushed stone, cement, common brick, and lumber, 1 each; hollow tile, $\frac{1}{2}$; and structural and reinforcing steel (together) $\frac{1}{2}$. Excludes taxes and employee-benefit costs.

¹¹ Average of 20 cities for types shown. Weights based on surveys of actual building costs and vary with different types of structures. Wage rates used for both common and skilled labor. Reflects payment of sales taxes and social security payroll taxes.

¹² Unweighted averages from Boeckh series prepared by Department of Commerce, Business and Defense Services Administration.

¹³ Building construction index computed on basis of hypothetical unit of construction requiring 6 bbls. of portland cement, 1,088 M bd. ft. measures of 2" x 4" lumber, 2,500 lbs. of structural steel, and 68.38 hours of skilled labor. General construction index based on same materials components combined with 200 hours of common labor. Not adjusted for changes in materials availability, competitive conditions, efficiency of plant and management, productivity, or related factors.

¹⁴ Composite of 36 major cost elements in 3 commercial-type buildings including structural elements and elevators, wiring, plumbing, heating, and ventilating. Job costs include both skilled and unskilled labor, and series reflects employee-benefit costs.

¹⁵ Eastern cities. Based on firm's cost experience with respect to labor rates, materials prices, competitive conditions, efficiency of plant and management, and productivity. Reflects payment of sales taxes and employee-benefit costs.

¹⁶ Based on data covering public utility construction costs (building construction, gas plant construction, and electric light and power construction) for 95 items in 6 geographical regions of the U.S. Job costs include both skilled and common labor. Indexes do not reflect tax payments nor employee-benefit costs. Department of Commerce has converted these series to a 1947-49 base, and combined the various items into a single index.

¹⁷ As derived by Department of Commerce; covers steam production plants only; excludes hydraulic plants.

Source: Department of labor, Bureau of Labor Statistics; *Construction Cost Indexes* (Report No. 73) and records.

No. 978.—VALUE OF CONTRACT AWARDS FOR NEW PUBLIC CONSTRUCTION, BY OWNERSHIP AND TYPE OF CONSTRUCTION: 1954 TO 1956

[In millions of dollars. Includes force-account construction (work done by government agencies own employees to perform nonmaintenance construction) and major additions and alterations. Federal excludes classified military projects but includes projects for Atomic Energy Commission. State and local represents work under the jurisdiction of State, county, municipal, or other non-Federal governmental units and includes projects under Federal-aid programs]

OWNERSHIP AND TYPE OF CONSTRUCTION	1954	1955	1956	OWNERSHIP AND TYPE OF CONSTRUCTION	1954	1955	1956
All public construction.....	8,254.4	9,000.5	10,307.1	State and locally owned.....	6,883.3	7,444.5	8,334.8
Federally owned.....	1,371.1	1,556.0	1,972.3	Residential building.....	254.6	210.1	253.2
Residential building.....	3.9	61.4	63.0	Nonresidential building.....	2,365.9	2,842.0	3,202.8
Nonresidential building.....	811.4	885.5	909.4	Highway.....	2,684.7	2,933.5	3,211.6
Airfields.....	153.1	187.4	185.7	Sewerage systems.....	472.7	501.9	658.9
Conservation and development.....	207.4	271.9	511.0	Water supply facilities.....	292.7	398.6	441.1
Highway.....	62.2	58.5	91.9	Utilities.....	172.3	378.0	336.5
Electric power utilities.....	66.8	43.5	177.5	All other State and locally owned.....	140.4	185.4	230.7
All other federally owned.....	66.3	77.8	63.8				

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 979.—FEDERAL EXPENDITURES FOR PUBLIC WORKS: 1956 TO 1958

[In millions of dollars. From budget accounts and trust funds. For years ending June 30. Comprises direct Federal works and grants and loans to State and local governments for public works]

FUNCTION AND TYPE OF FACILITY	1956	1957 estimate	1958 estimate	FUNCTION AND TYPE OF FACILITY	1956	1957 estimate	1958 estimate
Civil public works, total ¹	1,784	2,583	3,705	Natural resources—Continued			
Veterans' services and benefits.....	31	51	42	Helium plant and laboratories.....	(2)	4	3
Hospitals and other facilities.....	29	46	37	Fish hatcheries and wildlife refuges.....	2	6	8
Cemeteries and memorials.....	4	4	4	Parkways, roads, and utilities in national parks.....	22	53	48
U. S. Soldiers' Home (trust fund).....	1	1	2	Anthracite mine drainage facilities.....		1	3
International affairs and finance.....	3	13	29				
Radio facilities.....	(2)	1	3	Commerce and housing.....	848	1,370	1,967
Department of State and foreign service buildings.....	3	13	26	Water transportation aids.....	5	15	8
Labor and welfare.....	185	146	435	Federal-aid highways (trust fund).....	728		
Hospitals and health centers.....	36	53	57	Forest highways and other roads.....		1,137	1,654
Medical research facilities.....	2	7	14	Airports.....	42	44	42
Other research facilities and museums.....	1	8	9	Air navigation facilities.....	17	49	56
Waste treatment works.....		7	62	Aeronautical research facilities.....	10	38	84
Schools.....	95	68	289	Defense housing, civil defense and community facilities (net).....	13	12	14
Federal prison facilities.....	1	3	3	Public works in Alaska and Virgin Islands.....	2	4	27
Office building (trust fund).....	1	(2)	(2)	Low-rent public housing.....	17	14	9
Agriculture and agricultural resources.....	34	57	76	Loans.....	32	15	
Grain storage facilities.....	13	32	33	Repayments.....	237	466	329
Research facilities.....	5	3	12	College housing (net).....	3,259	3,451	3,329
Watershed and food protection works.....	16	22	32	General government: Government buildings and facilities.....	16	43	75
Natural resources.....	705	871	1,011	Major national security public works, total.....	2,319	2,282	2,556
Water resources and related developments for irrigation, flood control, navigation, and power.....				Military public works.....	2,052	2,037	2,324
Forest roads and other structures.....	634	759	886	Atomic energy facilities.....	243	237	238
Roads, buildings and utilities on Indian lands.....	28	30	42	Nickel plant.....	24	8	
	19	18	22				

¹ Nonconstruction costs excluded; proposed legislation included.

² Less than \$500,000. ³ Deduct.

Source: Executive Office of the President, Bureau of the Budget; *Budget of the U. S. Government, 1958*, Special Analysis G.

No. 980.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES—VALUE OF CONSTRUCTION AND FLOOR SPACE OF BUILDINGS, BY CLASS OF CONSTRUCTION: 1925 TO 1956

[Values in millions of dollars; floor space in thousands of square feet. Public works and public utilities cover some projects not measurable in terms of floor space, such as highways, pipe lines, subways, etc. Statistics for the 37 States were not compiled for years prior to 1925, but available figures covering a varying number of States for earlier years have been published in the 1932 and previous issues of the *Statistical Abstract*. Figures for individual States and districts in table 981 represent value of construction contracts awarded in States and districts where work was actually done. See also *Historical Statistics*, series H 51-57]

YEAR	Total	Residential	Commercial ¹	Manufacturing buildings ²	Public works	Public utilities ^{1,2}	Educational	Hospital and institutional	Public buildings	R eligious	Social and recreational	Miscellaneous non-residential
VALUE OF CONSTRUCTION												
1925	6,006.4	2,747.7	872.4	326.6	653.9	403.0	418.7	111.1	54.5	153.1	253.0	12.4
1929	5,750.8	1,915.7	920.2	545.9	940.1	469.6	369.6	152.2	120.8	106.1	146.6	54.9
1930	4,523.1	1,101.3	616.3	256.6	606.0	629.8	366.2	163.1	139.8	92.8	116.6	70.9
1933	1,255.7	249.3	99.4	127.5	504.5	84.5	38.9	37.3	50.9	17.7	27.2	18.7
1935	1,844.5	478.8	164.5	108.9	589.1	95.7	168.3	47.1	97.8	23.7	54.9	16.0
1940	4,004.0	1,596.9	318.3	442.4	831.3	281.1	147.2	94.1	80.2	45.7	62.6	104.2
1941	6,007.5	1,953.8	471.2	181.5	1,093.3	628.7	140.9	88.5	89.4	52.5	78.1	213.6
1942	8,255.1	1,817.7	302.2	227.5	1,302.5	1,238.1	147.9	184.9	101.6	23.5	101.3	807.7
1943	3,274.0	867.8	120.7	766.2	470.6	511.4	62.4	110.7	24.7	7.1	58.2	274.2
1944	1,994.0	348.4	80.8	472.7	429.6	316.6	69.2	59.2	11.9	11.6	32.7	101.3
1945	3,299.3	563.5	346.1	1,027.0	482.6	402.8	100.2	112.6	15.9	34.8	60.3	153.2
1946	7,489.7	3,142.1	773.2	317.3	194.7	436.6	221.4	130.9	25.1	67.6	92.5	88.3
1947	7,759.9	3,158.3	785.5	941.4	1,344.0	546.4	391.9	192.0	73.1	117.5	122.1	92.2
1948	9,429.6	3,608.0	975.0	839.8	1,627.1	528.0	724.6	404.9	83.5	245.2	232.4	161.0
1949	10,359.2	4,239.4	885.0	558.6	1,778.6	697.4	824.4	554.8	118.9	275.5	222.1	204.7
1950	14,501.0	5,108.5	1,142.3	1,930.0	648.4	1,179.8	655.2	124.3	336.3	261.3	273.0	
1951 ³	15,751.1	6,205.4	915.2	3,883.3	1,824.0	899.2	1,334.6	580.8	158.2	290.3	136.4	514.6
1952 ³	16,774.9	6,667.5	979.2	558.1	2,267.6	1,144.8	471.6	443.7	233.2	317.5	153.4	538.3
1953 ³	17,443.5	6,479.1	1,489.4	2,051.4	2,808.6	1,199.9	1,720.0	433.6	202.7	384.7	221.8	452.3
1954 ³	19,770.2	8,518.3	1,815.6	2,174.1	1,034.6	1,046.9	2,062.7	518.8	249.2	486.3	251.6	452.1
1955 ³	23,745.3	10,185.3	2,359.4	1,877.6	3,234.1	1,439.8	2,134.1	474.6	300.6	551.4	269.6	529.6
1956 ³	24,412.6	9,826.5	2,355.0	1,917.6	4,162.7	1,417.5	2,313.9	559.0	320.6	590.5	321.6	627.6
FLOOR SPACE OF BUILDINGS												
1925	936,226	559,499	160,066	66,901	3,040	11,358	60,543	14,037	8,294	18,870	32,261	1,357
1929	791,099	387,670	161,264	105,524	450	5,353	58,639	19,496	12,626	12,818	21,457	5,802
1930	510,382	230,040	96,586	48,019	826	7,611	56,955	19,121	17,023	10,864	16,080	7,248
1933	147,053	72,783	22,551	18,985	170	1,491	5,523	5,598	9,474	2,633	5,606	2,239
1935	251,558	135,416	35,391	20,638	915	1,077	26,046	6,176	13,522	3,534	7,009	934
1940	690,459	420,531	66,588	94,772	330	1,536	24,761	14,401	11,869	7,108	11,909	36,653
1941	955,719	502,676	105,851	187,923	11,647	2,104	24,499	15,394	14,453	8,567	14,761	68,844
1942	1,314,220	449,454	74,079	446,055	13,400	3,837	30,586	34,083	19,806	3,477	23,326	216,117
1943	448,244	200,647	22,171	108,822	1,851	1,000	11,969	19,947	4,754	1,001	12,862	66,130
1944	234,549	73,955	12,400	84,356	1,290	3,748	9,797	7,637	1,999	1,420	5,096	32,769
1945	412,423	111,244	63,197	158,207	1,348	13,701	12,453	11,331	1,858	4,569	8,097	26,423
1946	959,610	516,256	118,563	235,238	919	10,537	25,883	15,245	2,211	8,404	11,292	15,060
1947	831,965	478,713	100,043	142,990	648	3,943	41,042	19,915	6,320	12,282	14,235	11,838
1948	850,651	464,256	160,602	109,693	243	1,046	72,345	35,487	6,184	21,162	21,972	17,664
1949	869,366	520,477	86,446	61,143	14	5,216	79,048	42,076	7,726	24,598	20,992	21,638
1950	1,313,879	828,140	120,430	114,860	2,407	110,554	44,526	9,456	29,371	34,219	27,922	
1951	1,158,347	684,512	77,214	148,231	(4)	3,719	109,490	37,881	10,800	25,133	11,255	50,115
1952	1,166,947	723,793	82,072	114,823	(4)	2,235	106,717	26,177	14,668	22,295	11,723	62,421
1953	1,180,336	689,107	122,904	111,687	(4)	1,600	124,245	22,868	13,056	27,714	17,318	49,843
1954	1,400,976	868,233	137,505	100,200	(4)	1,147	154,104	27,713	15,814	33,872	18,903	43,493
1955	1,618,143	1,011,691	173,229	124,815	(4)	2,052	154,870	23,166	17,912	36,659	20,404	53,351
1956	1,581,099	943,834	165,880	146,562	(4)	804	157,213	26,717	18,482	40,725	22,167	58,724

¹ Airports included with "Commercial" prior to 1930; with "Public utilities" thereafter.

² Pipe lines included with "Manufacturing buildings" for 1925; with "Public utilities" thereafter.

³ Includes data for Atomic Energy Commission projects for which floor space data are excluded because of security reasons, as follows (in millions): 1951, \$980; 1952, \$923; 1953, \$479; 1954, \$385; 1955, \$15; and 1956, \$5.

⁴ Data no longer reported.

No. 981.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES—VALUE, BY DISTRICTS AND STATES: 1940 TO 1956

[In thousands of dollars. See headnote, table 980]

DISTRICT AND STATE	1940	1945	1950	1952	1953	1954	1955	1956
Total (37 States).....	4,003,957	3,299,303	14,501,055	16,774,936	17,443,463	19,770,207	23,745,277	24,412,630
New England.....	324,695	164,627	959,993	1,016,130	1,114,205	1,419,422	1,691,983	1,820,046
Connecticut.....	84,789	55,313	289,850	327,848	368,585	473,221	565,353	606,236
Maine.....	13,774	6,816	39,599	65,339	63,897	108,549	154,203	83,399
Massachusetts.....	150,145	82,895	485,577	490,664	577,237	624,822	758,733	783,944
New Hampshire.....	11,574	4,704	33,879	34,125	37,110	94,680	85,988	87,609
Rhode Island.....	55,203	12,121	90,192	81,573	75,814	78,271	92,059	126,682
Vermont.....	9,210	2,778	20,896	16,581	21,562	39,879	34,747	42,176
Metro. N. Y. and No. N. J.	488,360	247,454	1,867,383	1,919,037	2,122,018	2,338,510	2,590,634	2,842,325
Northern New Jersey.....	125,327	101,618	536,820	565,075	691,642	720,408	852,010	852,010
Metropolitan New York.....	363,033	145,836	1,289,490	1,382,217	1,516,943	1,646,868	1,870,226	1,990,315
Upstate New York.....	111,198	79,289	507,194	590,140	659,253	616,100	784,486	793,674
Middle Atlantic.....	577,747	458,308	1,852,488	1,903,376	2,045,305	2,577,909	3,062,849	2,639,711
Delaware.....	16,612	13,913	62,418	88,555	77,364	85,418	113,609	129,799
District of Columbia.....	64,790	41,510	96,514	73,087	93,241	101,383	118,887	97,716
Maryland.....	122,564	101,725	536,264	416,612	484,161	610,073	821,456	609,035
Southern New Jersey.....	39,240	30,745	139,378	153,960	188,814	195,305	290,051	290,650
Eastern Pennsylvania.....	165,648	157,784	624,747	735,883	759,352	1,043,103	1,052,887	900,730
Virginia.....	168,893	112,631	392,667	435,279	442,373	542,627	665,079	611,773
Southeast.....	529,678	483,917	1,769,169	2,539,321	9,198,609	2,217,760	2,749,685	2,863,273
Alabama.....	56,630	50,870	226,588	213,688	198,755	239,611	319,897	429,105
Florida.....	167,058	106,027	531,938	654,891	709,219	854,120	1,047,215	1,111,985
Georgia.....	91,277	66,759	206,170	391,103	341,787	401,046	480,426	472,109
North Carolina.....	80,843	80,564	287,820	325,567	253,963	267,840	353,046	339,075
South Carolina.....	48,833	21,948	134,220	169,639	169,276	178,600	233,026	241,632
Eastern Tennessee.....	85,057	157,749	292,424	784,436	245,509	276,584	316,075	269,367
Pittsburgh.....	143,421	91,797	608,846	451,729	565,604	588,978	622,938	794,306
Western Pennsylvania.....	102,808	60,953	512,988	340,750	403,649	441,753	486,250	616,084
West Virginia.....	40,613	30,844	95,858	110,979	161,955	147,225	136,688	178,222
Cleveland (North and East Ohio).....	195,725	184,027	709,362	785,984	1,806,431	1,200,675	1,440,697	1,629,753
Cincinnati.....	127,789	110,110	460,006	1,051,341	680,147	777,551	968,743	951,822
Kentucky.....	56,555	45,555	191,187	761,750	285,762	343,289	374,883	362,702
Southwest Ohio.....	71,234	64,545	268,819	289,501	394,385	434,262	593,890	589,100
Southern Michigan.....	211,307	173,979	820,368	777,319	852,496	1,161,057	1,307,256	1,273,281
Chicago.....	442,113	509,695	1,656,813	1,675,130	1,845,131	2,457,006	3,167,393	3,251,381
Northern Illinois.....	179,615	201,114	755,538	767,538	898,914	1,110,173	1,700,746	1,631,264
Indiana.....	125,090	184,712	388,153	432,342	438,071	645,543	649,021	735,155
Iowa.....	58,801	48,792	193,960	152,371	141,701	189,724	271,184	254,456
Northern Michigan.....	5,481	2,680	177,267	13,125	18,725	41,285	21,776	32,713
Southeast Wisconsin.....	72,226	72,397	300,805	309,755	349,720	470,281	524,696	567,793
St. Louis.....	216,916	214,991	683,663	820,591	786,730	825,936	929,314	941,921
Arkansas.....	29,103	76,568	126,076	149,244	89,260	147,006	138,566	151,944
Southern Illinois.....	77,977	46,043	174,289	276,708	259,022	220,011	210,863	281,405
Eastern Missouri.....	88,506	63,314	279,144	262,171	314,868	360,062	418,302	392,550
Western Tennessee.....	21,330	29,066	104,154	132,468	123,580	98,857	152,583	116,016
New Orleans.....	122,164	70,413	414,673	598,151	594,304	563,562	784,054	787,536
Louisiana.....	70,066	46,312	311,108	477,640	402,487	437,888	612,175	626,673
Mississippi.....	52,098	24,101	103,475	120,511	131,817	125,724	171,879	150,863
Minneapolis.....	93,585	83,335	457,666	453,108	547,419	609,888	721,158	809,777
Minnesota.....	66,132	66,635	301,443	288,731	347,666	445,680	511,687	568,176
North Dakota.....	7,385	6,703	62,700	70,189	105,563	50,785	84,680	94,873
South Dakota.....	9,817	7,626	62,002	61,951	68,593	68,165	87,118	100,438
Northwest Wisconsin.....	10,301	12,371	31,431	32,237	25,597	36,258	37,673	46,289
Kansas City.....	165,407	162,757	661,929	857,450	726,047	1,081,513	1,436,598	1,209,802
Kansas.....	51,080	49,511	213,574	268,208	220,087	394,453	511,764	370,432
Western Missouri.....	33,483	30,080	89,321	178,985	143,830	194,839	269,779	273,546
Nebraska.....	25,568	33,217	106,071	136,769	121,970	182,989	221,331	192,646
Oklahoma.....	54,367	44,949	252,968	273,538	230,160	309,732	433,724	373,178
Texas.....	253,852	264,604	1,071,502	1,336,129	1,180,764	1,334,340	1,487,489	1,619,071
Totals for States in more than one district:								
Illinois.....	257,592	247,157	929,827	1,044,244	1,155,936	1,330,184	1,920,609	1,912,660
Michigan.....	216,788	176,650	837,635	790,444	871,221	1,202,342	1,329,032	1,310,945
Missouri.....	121,989	93,394	368,465	441,106	458,698	554,401	688,081	666,102
New Jersey.....	164,567	132,363	747,771	690,780	793,889	886,947	1,010,459	1,142,068
New York.....	474,231	225,126	1,766,684	1,972,357	2,176,196	2,262,968	2,654,712	2,963,989
Ohio.....	266,059	248,572	978,181	1,075,575	2,200,816	1,634,937	2,034,587	2,218,863
Pennsylvania.....	288,456	218,737	1,137,735	1,076,638	1,163,001	1,484,856	1,539,117	1,516,814
Tennessee.....	106,367	186,815	396,787	916,904	309,179	375,391	463,688	386,388
Wisconsin.....	82,527	84,768	322,326	341,993	375,317	506,539	562,369	614,082

¹ Comprises 5 boroughs and Nassau, Orange, Putnam, Rockland, Suffolk, and Westchester Counties.² All counties north of Orange, Putnam, and Rockland.

No. 982.—CONSTRUCTION CONTRACTS AWARDED—INDEXES OF VALUE: 1920 TO 1957

[1947-49=100. Indexes are derived from monthly figures of construction contracts awarded reported by F. W. Dodge Corporation. Reports covered 37 States beginning with May 1924 and a varying number for earlier years. In order to obtain comparable figures from 1919 to date, total value of construction contracts awarded in 37 States was estimated for January 1919 through April 1924. Seasonal adjustments computed separately for "residential" and "all other" types of construction and the two series combined. Indexes based on a 3-month moving average, centered at middle month. More detailed description of indexes obtainable from the Division of Research and Statistics, Board of Governors of the Federal Reserve System.]

YEAR	Total	Residential	All other	YEAR	Total	Residential	All other	YEAR AND MONTH	Total	Residential	All other
1920	34	18	45	1941	66	54	74	1956:			
1925	66	75	59	1942	89	49	116	January	300	290	306
1926	69	73	67	1943	37	24	45	February	306	318	298
1927	69	71	68	1944	22	10	30	March	287	317	207
1928	73	76	70	1945	36	16	50	April	277	315	252
1929	63	52	70	1946	82	87	79	May	257	286	237
1930	49	30	62	1947	84	86	83	June	256	269	248
1931	34	22	41	1948	102	98	105	July	255	265	240
1932	15	8	20	1949	113	116	111	August	260	264	257
1933	14	7	18	1950	159	185	142	September	251	250	251
1934	17	7	24	1951	171	170	172	October	248	230	260
1935	20	13	25	1952	183	183	183	November	242	197	272
1936	30	22	35	1953	102	178	201	December	-----	-----	311
1937	32	25	36	1954	215	232	204	1957:			
1938	35	27	40	1955	261	280	248	January	-----	-----	297
1939	39	37	40	1956	268	271	266	February	-----	-----	323
1940	44	43	44					March	-----	-----	282
								April	-----	-----	287

Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

No. 983.—ENGINEERING CONSTRUCTION CONTRACTS AWARDED AND BACKLOG OF PROPOSED CONSTRUCTION—VOLUME, BY TYPE: 1930 TO 1956

[In millions of dollars. Covers continental U. S. construction projects of following minimum costs: For 1935, waterworks, excavation, drainage, and irrigation, \$10,500; other public works, \$17,500; industrial buildings, \$28,500; other buildings, \$105,000. For 1930 and 1940-45, minimums used were \$15,000, \$25,000, \$40,000, and \$150,000. For 1946-47, these minimums were raised to \$22,500, \$40,000, \$55,000, and \$205,000, respectively, to account for rise in construction costs. For 1948-50, minimums used were: \$28,000, \$50,000, \$68,000, and \$250,000. For 1951-54, minimums used were: \$34,000, \$60,000, \$82,000, and \$300,000. For 1955-56, minimums used were: \$44,000, \$73,000, \$93,000, and \$344,000]

YEAR	Total	PUBLIC WORKS						PRIVATE BUILDINGS		Un-classified
		Water-works	Sewer-age	Bridges ¹	Earth-work, irr., drain.	Streets, roads	Buildings	Indus- trial	Commer- cial	
CONTRACTS AWARDED										
1930	3,173	49	83	131	77	585	356	331	1,034	528
1935	1,590	81	100	98	259	325	298	172	109	148
1940	3,987	70	91	120	234	678	1,196	594	400	603
1944	1,730	33	32	17	64	196	658	174	140	416
1945	2,289	61	35	53	57	227	463	635	387	371
1946	5,176	109	114	129	328	769	414	1,113	1,846	354
1947	5,659	139	175	196	327	794	615	862	1,898	652
1948	7,219	209	228	303	519	996	1,161	1,096	1,888	820
1949	8,157	207	277	357	524	897	2,1,736	980	2,406	803
1950	13,342	215	287	369	417	1,268	2,3,754	1,683	4,092	1,256
1951	13,005	209	335	316	505	1,167	2,2,701	4,124	2,632	1,617
1952	15,689	231	304	413	496	1,397	2,34,899	2,722	3,845	1,382
1953	15,171	247	431	752	374	1,793	2,2,112	3,178	4,621	1,663
1954	14,412	245	388	510	339	1,919	2,2,017	1,876	5,653	1,465
1955	18,722	314	402	546	546	2,137	2,1,957	2,951	7,794	2,046
1956	21,712	356	579	622	730	2,475	2,2,417	5,335	7,358	1,841
BACKLOG OF PROPOSED PROJECTS (DEC. 31)										
1950	52,113	1,387	2,182	1,692	7,282	4,508	12,050	5,753	6,963	10,206
1951	62,147	1,432	2,372	2,030	7,444	5,129	13,569	9,400	7,993	12,777
1952	68,728	1,533	2,762	2,266	7,983	5,614	14,737	10,593	9,439	15,801
1953	74,055	1,582	2,902	2,366	8,601	7,315	14,904	10,716	11,306	14,274
1954	79,702	1,647	2,916	2,342	9,334	8,599	15,111	11,740	12,947	15,066
1955	93,053	1,990	2,988	2,760	11,293	11,313	16,406	14,302	15,767	16,235
1956	104,249	2,229	3,214	3,043	11,416	12,572	18,884	16,139	18,210	18,442

¹ Includes private; amount of contracts awarded in 1956, \$10,366,000.

² Includes contracts awarded for atomic energy plants as follows (in millions): 1949, \$247; 1950, \$2,020; 1951, \$123; 1952, \$2,329; 1953, \$72; 1954, \$19; 1955, \$131; 1956, \$36.

³ Deduct \$400 million for cost savings on Portsmouth, Ohio, atomic energy plant originally estimated to cost \$1.2 billion.

Source: Engineering News-Record, New York, N. Y.

No. 984.—ENGINEERING CONSTRUCTION CONTRACTS AWARDED—VOLUME, BY TYPE,
BY STATES: 1956

[In thousands of dollars. Covers continental U. S. construction projects of following minimum costs: Waterworks, excavation, and irrigation, \$44,000; other public works, \$73,000; industrial buildings, \$93,000; other buildings, \$344,000]

STATE	Total	PUBLIC WORKS CONTRACTS						PRIVATE BUILDING CONTRACTS		Un-classified
		Water-works	Sewer-age	Bridges ¹	Earth-work, irr., drain.	Streets, roads	Buildings ²	Indus- trial	Com- mer- cial	
United States	21,711,981	356,453	578,795	621,917	729,523	2,474,613	2,417,234	5,334,782	7,357,887	1,840,777
Alabama	332,820	5,125	3,663	6,419	10,238	36,758	19,643	216,731	20,874	13,378
Arizona	183,227	558	—	606	7,570	23,574	14,326	87,890	17,834	30,860
Arkansas	155,907	1,989	—	3,296	9,112	25,763	3,504	80,529	25,385	6,329
California	1,089,571	30,452	56,054	44,769	102,653	194,877	240,960	447,953	590,295	275,558
Colorado	409,950	52,953	4,523	3,103	694	38,018	37,934	30,125	241,297	61,243
Connecticut	432,151	2,526	10,040	55,700	3,511	143,174	46,650	53,359	107,830	9,352
Delaware	114,222	1,059	1,533	421	1,036	12,834	14,208	10,779	69,129	3,223
Dist. of Columbia	102,257	—	12,369	3,103	868	6,636	20,487	7,339	48,040	3,415
Florida	421,258	4,751	10,254	18,739	12,408	75,054	33,283	61,861	136,597	68,311
Georgia	88,418	99	—	1,827	1,546	32,261	32,833	5,000	2,680	12,172
Idaho	61,116	279	916	1,603	4,661	17,564	14,819	550	1,632	19,092
Illinois	1,083,194	18,617	33,348	77,868	9,211	100,847	119,338	321,252	376,527	26,186
Indiana	804,274	1,528	5,457	9,386	949	22,823	60,878	643,350	111,062	8,841
Iowa	191,085	2,306	3,169	10,535	6,902	59,658	23,309	40,001	28,726	7,419
Kansas	202,120	4,201	6,307	8,481	16,850	39,870	33,676	51,085	28,142	14,442
Kentucky	199,121	4,980	16,072	1,067	28,200	27,511	23,014	55,434	31,452	16,391
Louisiana	336,285	3,954	6,790	49,422	25,194	35,702	37,668	132,019	21,707	23,234
Maine	62,405	—	491	2,326	1,928	14,055	5,606	10,279	5,450	22,270
Maryland	550,183	10,232	15,209	10,547	3,995	44,987	60,248	223,251	126,104	46,610
Massachusetts	489,899	3,805	9,043	19,707	21,937	65,146	80,341	103,010	153,149	32,741
Michigan	1,132,357	12,326	35,802	30,894	10,892	106,221	169,634	118,687	621,792	26,019
Minnesota	267,031	4,180	17,001	6,028	2,708	71,222	71,671	41,598	34,780	16,934
Mississippi	71,684	—	377	2,315	4,808	13,928	1,019	30,000	795	9,442
Missouri	434,636	8,799	4,339	17,272	12,566	40,825	46,892	49,095	237,928	16,922
Montana	113,473	—	1,927	4,352	2,505	28,631	10,326	12,271	7,088	46,373
Nebraska	151,150	3,080	1,033	3,270	10,423	22,668	40,627	35,343	11,845	18,961
Nevada	27,806	—	252	388	304	12,523	6,450	250	1,995	5,644
New Hampshire	49,961	370	109	980	3,659	18,900	4,808	9,410	4,340	7,385
New Jersey	1,347,934	2,570	17,878	17,855	5,900	25,237	49,021	240,373	054,903	34,197
New Mexico	108,820	474	488	952	8,047	25,444	17,445	9,200	2,332	43,847
New York	2,185,340	25,031	46,300	36,024	108,817	190,006	366,685	124,431	141,334	145,523
North Carolina	149,961	12,580	11,333	10,302	2,367	35,772	23,764	7,935	30,499	15,409
North Dakota	82,459	4,149	1,624	1,317	5,352	23,670	6,194	1,466	5,411	33,276
Ohio	1,288,957	28,755	41,034	2,154	6,984	162,955	82,361	470,139	412,302	82,182
Oklahoma	206,489	12,417	5,708	8,330	4,559	51,120	23,382	42,676	20,573	37,625
Oregon	199,609	1,100	1,996	20,004	15,847	25,530	20,457	64,453	13,303	36,829
Pennsylvania	1,295,857	20,449	101,011	30,188	12,768	93,071	101,476	383,167	528,336	25,461
Rhode Island	52,224	173	7,679	5,676	661	6,763	8,693	3,659	10,917	8,003
South Carolina	93,358	1,016	373	6,228	1,342	21,208	12,957	24,681	4,330	21,223
South Dakota	80,959	920	453	3,919	18,430	23,722	6,906	1,348	2,967	22,294
Tennessee	174,239	899	9,722	5,422	10,055	37,005	78,787	14,065	9,601	7,093
Texas	2,193,948	43,818	33,528	27,371	29,680	205,032	137,306	511,341	925,862	280,010
Utah	91,358	7,169	2,928	808	6,264	11,642	11,400	7,472	30,186	13,494
Vermont	21,504	128	350	282	3,585	6,927	4,386	225	4,707	934
Virginia	403,620	2,417	12,953	10,212	1,721	62,630	52,359	108,513	105,074	47,150
Washington	541,676	7,065	3,903	19,258	140,824	41,556	74,931	93,993	47,402	112,744
West Virginia	285,423	87	3,340	4,009	25,193	12,290	2,844	228,760	2,527	6,256
Wisconsin	256,110	5,353	10,484	6,381	1,035	61,906	40,210	72,825	36,921	11,995
Wyoming	74,448	685	314	766	6,205	18,892	6,514	31,500	3,147	6,485

¹ Includes bridges under private contracts amounting to \$10,366,000.

² Includes \$36,354,000 in contracts awarded for atomic energy plants.

No. 985.—BUILDING CONSTRUCTION IN CITIES OF 100,000 INHABITANTS OR MORE—
VALUE OF ALL CONSTRUCTION AND NUMBER OF NEW DWELLING UNITS: 1950
TO 1956

[Valuation figures are derived from estimates of construction costs made by prospective builders when applying for permits to build and value of contracts awarded by Federal Government. No land costs are included. For type of building covered, see table 975. Cities shown here had a population of 100,000 or more in 1950]

CITY	VALUE OF ALL CONSTRUCTION (\$1,000)					NUMBER OF NEW DWELLING UNITS				
	1950	1953	1954	1955	1956 (prel.)	1950	1953	1954	1955	1956 (prel.)
Akron, Ohio	33,343	36,384	30,900	33,453	42,182	2,041	1,203	1,249	1,421	1,637
Albany, N. Y.	11,063	5,793	6,248	13,529	9,540	949	184	199	228	250
Allentown, Pa.	11,267	11,092	9,176	12,734	13,601	486	791	524	528	437
Atlanta, Ga.	48,569	79,500	92,310	75,249	58,172	3,773	3,785	4,410	3,130	2,321
Austin, Tex.	39,622	33,445	45,148	40,934	45,484	2,887	1,316	1,839	1,927	1,549
Baltimore, Md.	91,430	82,443	75,022	87,551	64,780	7,918	4,706	3,709	3,642	1,915
Baton Rouge, La.	18,695	16,048	29,735	36,323	41,410	1,807	1,179	1,709	2,276	1,981
Berkeley, Calif.	14,888	6,634	8,067	10,314	12,415	433	260	426	565	458
Birmingham, Ala.	38,236	24,479	25,475	37,006	36,321	4,019	1,421	1,838	2,078	1,533
Boston, Mass. ¹	68,078	39,728	32,965	41,185	47,580	2,353	1,273	647	844	575
Bridgeport, Conn.	16,710	14,275	7,761	10,226	16,051	1,301	1,227	492	583	436
Buffalo, N. Y.	20,810	23,345	20,737	27,955	34,954	535	619	1,066	989	1,209
Cambridge, Mass.	6,424	8,757	3,960	11,093	7,500	55	144	19	10	14
Camden, N. J.	8,527	8,146	11,165	7,727	2,8,570	805	503	85	134	2,101
Canton, Ohio	7,886	10,260	5,809	7,478	8,080	517	292	263	482	200
Charlotte, N. C.	32,049	30,920	23,181	27,107	25,819	3,136	1,199	1,115	1,436	911
Chattanooga, Tenn.	12,336	9,353	11,489	9,565	12,008	982	823	636	401	430
Chicago, Ill.	270,070	222,888	235,980	286,280	296,576	16,196	10,390	12,281	17,575	12,455
Cincinnati, Ohio	61,471	58,605	41,318	47,904	52,207	2,349	1,613	1,540	1,120	1,111
Cleveland, Ohio	66,492	87,136	62,177	79,140	92,094	2,913	2,219	1,655	2,004	1,456
Columbus, Ohio	48,733	43,938	44,263	50,155	60,384	4,549	2,113	1,866	2,290	2,967
Corpus Christi, Tex.	29,019	36,999	34,253	29,981	20,928	2,661	3,355	3,012	2,144	1,139
Dallas, Tex.	132,949	107,281	140,391	166,612	132,914	12,197	6,397	10,267	9,379	4,643
Dayton, Ohio	21,825	20,100	19,953	39,871	23,435	1,743	1,008	894	1,389	670
Denver, Colo.	66,275	69,755	79,193	77,136	73,159	6,911	3,726	5,483	5,392	3,459
Des Moines, Iowa	24,877	23,418	22,228	31,219	27,404	1,842	872	1,022	1,250	839
Detroit, Mich.	209,274	166,461	129,759	143,657	110,821	13,565	5,531	4,715	3,695	2,660
Duluth, Minn.	7,552	6,048	7,712	8,513	11,291	651	348	287	354	407
Elizabeth, N. J.	6,897	4,089	5,314	3,656	6,097	768	242	456	110	135
El Paso, Tex.	24,897	19,199	29,777	38,800	27,842	2,379	1,328	3,067	2,780	1,910
Erie, Pa.	15,306	11,516	15,240	14,806	11,016	1,325	628	686	733	551
Evansville, Ind.	5,638	10,888	6,415	10,029	50,053	717	640	653	482	360
Fall River, Mass.	3,861	2,749	2,082	2,088	3,683	289	104	108	129	126
Flint, Mich.	26,367	28,794	32,339	34,124	29,087	2,015	1,532	2,096	2,302	1,214
Fort Wayne, Ind.	13,726	12,214	18,803	14,834	16,309	1,231	606	518	392	510
Fort Worth, Tex.	49,161	41,941	46,922	57,116	51,377	7,131	3,453	3,867	4,308	2,577
Gary, Ind.	17,131	24,415	25,806	23,391	22,645	1,503	1,873	1,738	1,273	985
Grand Rapids, Mich.	18,308	10,172	11,617	13,918	11,253	1,510	455	616	624	421
Hartford, Conn.	20,159	20,350	12,477	14,885	14,568	882	365	538	177	226
Houston, Tex.	185,979	130,216	165,395	141,695	151,486	11,900	7,377	8,659	6,838	4,693
Indianapolis, Ind.	36,403	44,005	40,577	34,512	46,012	3,556	1,764	1,621	1,819	2,061
Jacksonville, Fla.	21,701	24,695	36,340	21,328	17,012	2,033	1,116	1,010	702	527
Jersey City, N. J.	9,633	8,155	3,292	5,612	7,722	628	85	65	428	447
Kansas City, Kans.	7,046	7,490	12,494	10,553	10,004	554	289	312	204	268
Kansas City, Mo.	44,098	45,971	63,030	71,230	52,188	2,957	1,905	1,583	1,583	1,308
Knoxville, Tenn.	19,954	6,600	12,226	11,730	12,217	1,790	854	483	430	224
Little Rock, Ark.	21,090	10,582	19,162	11,422	9,156	1,529	419	576	552	327
Long Beach, Calif.	38,579	48,872	38,627	51,181	54,273	1,810	3,061	2,487	2,353	1,854
Los Angeles, Calif.	407,293	423,617	409,961	435,677	434,747	30,798	29,439	28,148	24,194	26,888
Louisville, Ky.	23,179	18,490	27,672	32,971	33,336	2,310	994	1,339	1,918	1,319
Memphis, Tenn.	55,269	46,004	45,035	42,506	44,302	6,682	3,828	4,209	3,128	1,920
Miami, Fla.	47,037	42,547	46,754	46,433	49,771	4,664	3,855	3,485	2,584	2,668
Milwaukee, Wis.	87,360	80,543	104,218	88,494	103,127	6,322	4,368	5,246	3,982	4,701
Minneapolis, Minn.	45,868	36,821	36,894	45,066	35,362	2,900	1,229	1,283	1,031	913
Mobile, Ala.	12,932	6,528	13,702	14,725	17,070	1,743	544	1,046	1,129	1,334
Montgomery, Ala.	13,200	10,343	20,594	15,857	12,582	2,203	930	2,536	1,790	1,041
Nashville, Tenn.	16,391	12,488	8,994	21,488	25,623	1,024	408	385	537	157
Newark, N. J.	23,499	16,039	26,769	13,444	24,766	293	77	1,622	85	97
New Bedford, Mass.	4,217	4,119	4,729	3,925	5,345	387	389	133	395	277
New Haven, Conn.	14,051	14,097	12,494	10,832	9,646	1,093	528	237	211	215
New Orleans, La.	77,547	92,883	56,528	98,569	86,097	5,091	4,916	2,138	2,926	2,101
New York, N. Y.: ³										
Bronx	45,730	62,106	48,237	40,122	64,598	3,689	4,232	3,110	3,386	4,092
Brooklyn	71,811	90,609	111,605	100,186	72,397	6,566	6,436	7,447	7,776	5,042
Manhattan	117,080	105,146	197,617	202,965	245,151	4,389	2,651	6,565	10,651	7,414
Queens	194,562	102,717	122,492	106,412	103,430	24,336	8,270	9,589	7,988	7,261
Richmond	4,574	6,388	4,928	6,059	8,455	428	607	334	468	494

See footnotes at end of table.

No. 985.—BUILDING CONSTRUCTION IN CITIES OF 100,000 INHABITANTS OR MORE—
VALUE OF ALL CONSTRUCTION AND NUMBER OF NEW DWELLING UNITS: 1950 TO
1956—Continued

CITY	VALUE OF ALL CONSTRUCTION (\$1,000)					NUMBER OF NEW DWELLING UNITS				
	1950	1953	1954	1955	1956 (prel.)	1950	1953	1954	1955	1956 (prel.)
Norfolk, Va.	20,012	24,011	13,285	16,587	26,482	2,132	1,356	578	739	806
Oakland, Calif.	31,227	26,400	23,647	31,447	41,422	1,491	1,149	1,220	1,468	1,671
Oklahoma City, Okla.	50,646	41,123	45,903	42,709	47,676	4,120	2,141	3,475	2,779	1,553
Omaha, Nebr.	28,014	16,047	25,564	27,788	38,776	2,533	915	1,489	1,610	1,964
Pasadena, Calif.	20,590	15,341	17,010	18,284	21,124	1,497	1,029	1,077	697	603
Paterson, N. J.	7,340	4,810	8,864	5,241	6,412	472	163	650	224	312
Peoria, Ill.	11,122	11,436	6,865	13,256	11,567	597	498	181	205	145
Philadelphia, Pa.	157,332	130,750	131,677	140,096	119,479	12,484	6,922	5,000	5,829	4,810
Phoenix, Ariz.	15,400	17,454	18,159	22,197	35,376	1,169	1,247	1,015	1,103	1,406
Pittsburgh, Pa.	105,335	33,582	34,452	56,008	39,902	3,320	1,352	1,589	1,593	1,583
Portland, Oreg.	63,325	61,880	51,674	47,646	45,119	3,824	2,180	2,179	1,371	996
Providence, R. I.	17,778	10,901	3,303	4,483	13,254	775	230	195	237	190
Reading, Pa.	4,766	6,911	5,038	8,011	7,511	79	71	47	171	88
Richmond, Va.	32,949	20,191	32,952	24,150	28,988	1,336	650	737	480	769
Rochester, N. Y.	16,406	22,521	17,105	20,057	15,264	1,040	403	359	378	385
Sacramento, Calif.	30,524	33,472	27,317	25,781	40,246	3,048	1,050	1,230	1,639	1,287
St. Louis, Mo.	74,659	51,444	63,791	49,239	36,300	4,145	2,415	2,856	1,758	754
St. Paul, Minn.	47,424	42,024	38,108	44,419	43,193	3,216	1,211	1,216	1,236	927
Salt Lake City, Utah	33,740	15,350	21,109	19,669	27,532	2,207	625	883	924	709
San Antonio, Tex.	57,040	50,244	57,701	57,433	50,290	5,989	5,126	5,532	5,698	3,530
San Diego, Calif.	60,770	84,513	79,270	86,171	107,537	5,951	8,034	5,425	6,031	6,867
San Francisco, Calif.	85,104	59,802	62,928	69,215	71,225	3,785	1,666	2,743	2,181	1,248
Savannah, Ga.	7,887	5,624	9,464	4,570	5,783	1,095	627	660	1,588	601
Scranton, Pa.	5,761	9,851	2,713	3,443	5,563	324	323	76	79	94
Seattle, Wash.	57,742	55,258	77,544	72,036	80,082	3,415	2,130	3,632	3,380	2,914
Shreveport, La.	28,851	23,830	29,984	35,243	27,850	3,281	1,582	1,607	1,449	938
Somerville, Mass.	3,313	3,927	2,596	1,836	1,473	249	220	2	15	3
South Bend, Ind.	21,247	17,625	15,666	17,453	19,487	2,012	1,117	689	815	534
Spokane, Wash.	33,473	28,763	40,799	28,162	29,625	2,435	1,603	2,322	1,249	828
Springfield, Mass.	13,346	11,072	14,660	14,960	14,320	1,192	1,229	1,282	1,441	1,009
Syracuse, N. Y.	16,940	20,844	15,871	18,182	18,567	1,416	898	464	605	423
Tacoma, Wash.	23,331	18,841	14,849	13,106	18,786	1,750	508	723	623	514
Tampa, Fla.	15,658	25,137	70,701	49,108	47,185	1,548	1,929	3,414	3,048	2,590
Toledo, Ohio.	22,645	18,436	15,609	24,179	18,807	1,660	865	790	842	619
Trenton, N. J.	4,050	6,195	5,850	3,322	3,676	67	355	230	106	23
Tulsa, Okla.	18,173	20,638	19,641	23,584	20,574	1,430	769	1,094	1,074	778
Utica, N. Y.	2,322	2,789	4,424	3,071	6,147	213	128	196	265	180
Washington, D. C.	59,194	72,128	76,036	87,331	69,587	4,857	5,384	2,984	2,796	2,830
Waterbury, Conn.	9,529	6,668	6,947	8,155	11,103	743	431	539	648	600
Wichita, Kans.	28,204	39,364	41,322	43,125	33,298	3,853	2,355	3,841	3,045	1,843
Wilmington, Del.	8,620	11,578	7,677	10,387	9,918	276	151	49	88	48
Worcester, Mass.	16,314	14,157	10,683	18,616	8,305	1,383	421	491	542	409
Yonkers, N. Y.	15,847	28,396	16,680	14,438	20,522	1,450	2,847	1,275	1,293	1,497
Youngstown, Ohio.	11,372	20,418	15,945	18,575	20,416	1,068	700	951	956	913

¹ Represents applications filed.² October data not available.³ Represents construction actually started, based on inspection records.⁴ December data not available.

Source: Department of Labor, Bureau of Labor Statistics.

No. 986.—COMPLETED DWELLING UNITS OWNED OR SUPERVISED BY THE PUBLIC HOUSING ADMINISTRATION: 1935 TO 1956

[As of December 31. See headnote, table 987]

YEAR	Total	Federally owned	Locally owned	YEAR	Total	Federally owned	Locally owned
1935	798	798		1946	949,868	673,895	275,973
1936	8,174	8,174		1947	1,173,646	705,492	408,154
1937	21,639	21,639		1948	841,844	561,176	280,668
1938	26,699	21,639		1949	669,240	451,136	218,104
1939	60,907	21,639		1950	581,912	395,401	186,511
1940	121,972	21,639		1951	563,551	372,192	191,359
1941	313,352	176,847		1952	589,025	343,269	245,756
1942	599,455	452,490		1953	584,321	271,004	313,317
1943	723,964	576,322		1954	547,400	179,195	368,205
1944	817,029	667,629		1955	493,668	98,956	394,712
1945				1956	451,420	45,302	406,118

Source: Housing and Home Finance Agency, Public Housing Administration; Annual Report, and records.

No. 987.—DWELLING UNITS OWNED OR SUPERVISED BY THE PUBLIC HOUSING ADMINISTRATION, BY PROGRAM: 1956

[As of December 31. Excludes units of which PHA has mortgages for collection. PWA housing was authorized under the Industrial Recovery Act of 1933 and the Emergency Relief Appropriation Act of 1935. The Housing Act of 1937 (PL-412) provided for loans and annual contributions to local public housing authorities. In 1940, PL-671 extended the provisions of PL-412 to provide for defense-worker housing. Title III of the Housing Act of 1949 (PL-171) increased the provisions of PL-412 by 810,000 dwelling units. The Housing Act of 1950 (PL-475) provided for conveyance by PHA of "permanent war housing units" to local public housing authorities. Minus sign (—) denotes decrease]

PROGRAM	TOTAL		Federally owned	Locally owned
	Number	Net increase since Dec. 31, 1955		
Total	560,856	-6,921	45,302	515,554
Active				
Veterans' re-use housing	557,650	1,270	42,096	515,554
Defense housing	245	-1,888	245	
Public war housing (Lanham constructed)	115	-10,936	115	
Low-rent housing	23,669	-29,716	23,669	
Under management	533,614	43,870	18,060	515,554
Under construction	423,933	10,375	18,060	405,873
Not under construction	13,978	-7,081		13,978
	95,703	40,576		95,703
Public Law 171	315,820	45,485		315,820
Public Law 412	117,022	-27	15	117,007
Public Law 671	48,407	-949	713	47,694
Public Works Administration	21,135	-225	8,563	12,572
Farm labor camps	8,769	-268	8,769	
Public Law 475	22,461	-146		22,461
Subsistence homesteads and Greentowns	7			7
Inactive				
Public war housing (Lanham constructed)	3,206	-8,191	3,206	
Defense housing	2,165	-8,887	2,165	
Veterans' re-use housing	1,041	244	1,041	
		-48		

Source: Housing and Home Finance Agency, Public Housing Administration; *Annual Report*.

No. 988.—PUBLIC HOUSING UNITS COMPLETED FOR OCCUPANCY: 1936 TO 1956

[Covers programs administered by Housing and Home Finance Agency or Public Housing Administration]

YEAR	All public housing	LOW-RENT			War and defense housing	Veterans' re-use housing		
		Total	U. S. Housing Act	All other ¹				
Total	1,402,587	397,231	2 375,592	21,639	3 739,704	265,652		
1936	798	798		798				
1937	7,376	7,376		7,376				
1938	13,465	13,465		13,465				
1939	4,960	4,960		4,960				
1940	34,303	34,303		34,303				
1941	120,851	61,065		61,065	59,786			
1942	156,901	36,172		36,172	120,729			
1943	371,700	24,296		24,296	347,404			
1944	153,596	3,269		3,269	150,327			
1945	44,157	2,080		2,080	40,171	1,906		
1946	134,847	1,925		1,925	4,051	128,871		
1947	107,097	466		466		106,631		
1948	30,066	1,348		1,348	4 1,550	27,168		
1949	1,242	547		547		695		
	1,636	1,255		1,255		381		
1950	10,246	10,246		10,246				
1951	65,835	58,258		58,258	5,577			
1952	64,773	58,214		58,214	6,559			
1953	47,734	44,293		44,293	3,441			
1954	21,008	20,899		20,899		109		
1955	11,991	11,991		11,991				
1956								

¹ Comprises the PWA and the subsistence homesteads and Greentowns programs.

² Includes 60,489 units diverted to war housing during the emergency.

³ 23,243 permanent family war housing dwelling units have since been conveyed to local authorities for low-rent use under Public Law 475.

⁴ Units completed for emergency flood projects in Portland-Vancouver area.

Source: Housing and Home Finance Agency, Public Housing Administration.

CONSTRUCTION AND HOUSING

No. 989.—ACTIVE PROJECTS AND DWELLING UNITS OWNED OR SUPERVISED BY THE PUBLIC HOUSING ADMINISTRATION, BY STATES AND OTHER AREAS: 1956

[As of December 31. See headnote, table 987]

STATE OR OTHER AREA	TOTAL PROGRAM		LOW-RENT HOUSING ¹		WAR HOUSING		DEFENSE HOUSING		VETERANS' RE-USE HOUSING		
	Projects	Units	Projects	Units	Projects	Units	Projects	Units	Projects	Units	
	Total	2,808	2,557,650	2,693	533,614	107	23,669	2	115	3	245
Alabama	188	21,673	187	20,473	1	1,200					
Arizona	25	2,901	24	2,921			1	40			
Arkansas	26	2,502	26	2,502							
California	190	35,772	176	30,010	13	2,759			1	3	
Colorado	15	3,494	15	3,494							
Connecticut	53	14,375	34	9,940	19	4,435					
Delaware	5	1,160	5	1,160							
Dist. of Columbia	29	9,321	29	9,321							
Florida	104	16,304	104	16,304							
Georgia	338	25,851	337	25,736	1	115					
Idaho	5	495	4	420			1	75			
Illinois	140	37,083	137	36,885	3	198					
Indiana	31	5,886	29	5,240	2	146					
Iowa											
Kansas											
Kentucky	59	9,944	59	9,944							
Louisiana	87	15,038	85	14,783	2	255					
Maine	8	842	3	256	5	586					
Maryland	39	11,667	36	11,400	3	167					
Massachusetts	59	18,878	53	17,198	6	1,680					
Michigan	34	14,427	34	14,427							
Minnesota	15	3,417	15	3,417							
Mississippi	68	4,480	68	4,480							
Missouri	23	12,272	23	12,272							
Montana	8	697	8	697							
Nebraska	6	1,778	6	1,778							
Nevada	3	375	2	250	1	125					
New Hampshire	7	1,611	5	750	2	861					
New Jersey	113	27,317	110	26,627	3	690					
New Mexico	2	148	2	148							
New York	97	66,188	94	65,921	3	267					
North Carolina	74	11,369	74	11,369							
North Dakota	1	60	1	60							
Ohio	73	25,672	62	22,346	11	8,326					
Oklahoma	3	634	2	434					1	200	
Oregon	15	1,206	14	1,180	1	100					
Pennsylvania	159	41,443	149	37,733	10	3,710					
Rhode Island	14	4,546	13	4,008	1	538					
South Carolina	92	6,198	92	6,198							
South Dakota											
Tennessee	113	17,258	113	17,258							
Texas	247	31,115	244	30,744	3	371					
Utah	1	399			1	399					
Vermont	2	300			2	300					
Virginia	47	12,543	47	12,543							
Washington	39	8,587	31	7,244	7	1,801			1	42	
West Virginia	14	1,975	14	1,975							
Wisconsin	9	2,353	9	2,353							
Wyoming											
Alaska	11	495	4	325	7	170					
Hawaii	8	1,679	8	1,679							
Puerto Rico	102	26,865	102	26,865							
Virgin Islands	4	530	4	530							

¹ Comprises Public Law 412, Public Law 671, PWA, Public Law 171, Public Law 475, and farm labor camp programs.

² Includes 3 projects and 7 units in the subsistence homesteads and Greentowns program in Mississippi, New Jersey, and Tennessee, not shown separately by program.

No. 990.—NEW PERMANENT DWELLING UNITS STARTED IN NONFARM AREAS,
BY TYPE: 1920 TO 1956

[Figures are estimates covering construction of all new permanent family dwelling units in nonfarm area of United States, based upon building-permit reports, and from 1946, on building-permit information supplemented by data from field surveys in non-permit-issuing places. This area consists of all urban and rural-nonfarm places. See also *Historical Statistics*, series H 40-45; data for 1941-1945 in historical volume include temporary units.]

YEAR	Total non- farm	DWELLING UNITS STARTED (1,000)							ESTIMATED CONSTRUCTION COST (\$1,000,000) ⁴	
		Area ¹		Type of dwelling			Type of financing			
		Metropoli- tan	Non- metropoli- tan	1- family	2- family ²	Multi- family ³	Private		Public	Pri- vately finan- ced
							Total	Government pro- grams		
							FHA	V.A.		
1920	247	(6)	(6)	202	24	21	247	(6)	(6)	1,068
1925	937	(6)	(6)	572	157	208	937	(6)	(6)	4,475
1930	330	(6)	(6)	227	29	74	330	(6)	(6)	1,494
1935	221	(6)	(6)	183	8	30	216	(6)	(6)	5
1940	603	(6)	(6)	486	37	80	530	(6)	(6)	73
1945	209	(6)	(6)	185	9	16	208	(6)	(6)	1
1948	932	(6)	(6)	767	47	118	914	294	(6)	18
1949	1,025	(6)	(6)	794	37	194	989	364	(6)	36
1950	1,396	1,022	374	1,154	45	197	1,352	487	200	44
1951	1,091	777	315	900	40	151	1,020	264	149	71
1952	1,127	795	332	943	46	139	1,069	280	141	59
1953	1,104	804	300	938	42	125	1,068	252	157	36
1954	1,220	897	324	1,078	34	108	1,202	276	307	19
1955	1,329	976	353	1,194	33	102	1,310	277	303	19
1956	1,118	780	338	990	31	97	1,094	189	271	24

¹ Metropolitan segment corresponds to the 168 standard metropolitan areas used in the 1950 Census.

² Includes 1- and 2-family dwellings with stores.

³ Includes multifamily dwellings with stores.

⁴ Private construction costs based on permit valuation, adjusted for understatement of costs shown on permit applications. Public construction costs based on contract values or estimated construction costs for individual projects.

⁵ Not available.

Source: 1920 and 1925, National Bureau of Economic Research; later years, Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 991.—NUMBER AND AVERAGE CONSTRUCTION COST OF NEW PERMANENT PRIVATELY OWNED ONE-FAMILY DWELLING UNITS STARTED: 1940 TO 1956

[Average cost of all such dwelling units started nationally. Data do not represent construction cost of a typical house. These averages are affected by changes in cost of materials and labor, variations in size and design of the houses, type of projects started, differences in construction methods, and other variables. Construction costs cover only labor, materials, and subcontracted work, and that part of the builders' overhead and profit chargeable directly to the construction projects. Cost data based primarily on builders' estimates of construction cost made at the start of construction, and from 1946, also on reports of construction cost by individual construction contractors in a representative group of localities not issuing permits]

PERIOD	Number of dwelling units started	Average construction cost per unit	PERIOD	Number of dwelling units started	Average construction cost per unit
1940	447,600	\$4,075	1956	980,700	\$12,225
1941	553,200	4,250	January	66,400	11,325
1942	252,300	3,900	February	68,700	11,750
1943	136,300	3,675	March	83,700	12,150
1944	114,600	3,450			
1945	184,600	4,650	April	99,600	12,275
1946	590,000	5,525	May	100,700	12,300
1947	740,200	6,750	June	95,400	12,300
1948	763,200	7,850			
1949	792,400	7,625	July	90,000	12,375
1950	1,150,700	8,675	August	93,000	12,275
1951	892,200	9,300	September	81,200	12,325
1952	939,100	9,475			
1953	932,800	9,950	October	81,200	12,425
1954	1,077,300	10,625	November	67,500	12,675
1955	1,190,000	11,350	December	53,300	12,350

Source: Department of Labor, Bureau of Labor Statistics; *Construction During Five Decades: Historical Statistics, 1907-52*, and *Construction Review* (a joint publication of the Departments of Commerce and Labor).

No. 992.—SELECTED CHARACTERISTICS OF NEW NONFARM ONE-FAMILY HOUSES,
BY REGIONS: 1955 AND 1956

[Data are for first quarter. Based on sample of 6,000 projects (single-family and multifamily, for which permits were issued or work was started in the first quarter) including more than 37,000 dwelling units in various sizes and types of communities. See source for sampling reliability.]

CHARACTERISTICS	TOTAL		NORTHEAST		NORTH CENTRAL		SOUTH		WEST	
	1955	1956	1955	1956	1955	1956	1955	1956	1955	1956
Number of houses ¹1,000	256.9	218.6	44.3	36.8	58.9	52.7	87.0	74.8	66.7	54.3
Median proposed selling price ²\$1,000	13.7	14.5	14.4	14.9	14.7	16.2	11.8	12.8	14.1	15.0
Average floor area ³sq. ft.	1,170	1,230	1,120	1,290	1,100	1,150	1,200	1,240	1,210	1,280
Percent, all houses.....	100	100	100	100	100	100	100	100	100	100
Selling price: ²										
Less than \$7,000.....	7	4	1	(4)	3	2	17	9	2	1
\$7,000 to \$9,999.....	11	10	4	4	8	6	21	19	3	3
\$10,000 to \$11,999.....	16	13	17	12	18	13	13	14	17	13
\$12,000 to \$14,999.....	29	27	36	34	23	21	22	25	39	33
\$15,000 to \$19,999.....	23	26	30	23	27	30	14	18	27	33
\$20,000 and over.....	10	18	8	25	19	26	9	12	6	15
Unknown.....	4	2	4	2	2	2	4	3	6	2
Floor area (sq. ft.): ⁴										
Less than 700.....	3	2	2	1	3	1	3	4	2	(4)
700 to 799.....	4	3	6	5	6	4	2	1	(4)	
800 to 999.....	22	17	30	26	29	25	21	14	10	9
1,000 to 1,199.....	30	31	25	21	32	35	26	32	39	31
1,200 to 1,499.....	26	26	19	16	19	21	27	24	42	42
1,500 to 1,799.....	7	10	8	12	6	6	9	12	5	11
1,800 and over.....	5	9	5	16	4	6	6	9	5	6
Unknown.....	3	2	5	3	1	(4)	4	3	1	1
Number of bedrooms: ⁵										
1 bedroom.....	1	1	(6)	(4)	1	(4)	1	1	1	1
2 bedrooms.....	22	20	20	22	27	22	27	21	14	15
3 bedrooms.....	68	70	70	66	68	74	64	71	73	69
4 bedrooms or more.....	6	8	6	11	3	4	4	4	11	14
Unknown.....	3	1	4	1	1	(4)	4	3	1	1
Exterior wall construction:										
Masonry.....	20	16	9	9	14	15	36	19	13	18
Solid brick.....	3	2	2	3	3	3	3	3	3	1
Brick facing.....	12	10	4	4	9	11	23	8	6	13
Concrete block.....	4	1	2	2	1	1	1	1	3	1
Other ⁷	1	3	1	(4)	1	(4)	2	7	1	3
Frame.....	77	83	87	90	81	84	62	78	85	82
Brick facing.....	18	26	18	15	28	37	23	40	3	2
Brick and wood facing.....	8	7	15	12	9	4	6	9	6	4
Wood facing.....	29	24	35	39	36	30	20	18	30	17
Asbestos shingle facing.....	8	9	16	18	5	9	11	9	(6)	2
Other ⁸	14	17	3	6	3	4	2	46	57	
All other ⁹	1	(4)	1	(4)	3	(4)	1	(4)	1	(4)
Unknown.....	2	1	3	1	2	1	1	3	1	(4)
Basements:										
No basement.....	55	55	9	18	39	30	79	70	71	72
Full or partial basement.....	42	43	88	81	59	69	19	18	24	27
Unknown.....	3	2	3	1	2	1	2	3	5	1
Utility room:										
Utility room.....	33	37	19	31	34	27	48	45	24	41
No basement.....	27	30	7	14	32	23	43	40	16	35
With basement.....	6	7	12	17	2	4	5	5	8	6
No utility room.....	64	58	78	60	64	67	50	49	71	58
Unknown.....	3	5	3	9	2	6	2	6	5	1

¹ Detached, semidetached, and row houses which can be sold independently of nearby or adjoining units.

² Advertised price at the time of survey, or the actual selling price of units already sold.

³ Computed from outside dimensions. Includes all livable space as well as laundry rooms, halls, and closets on first or higher floors, but excludes rumpus, storage, laundry, and utility rooms in the basement, garages, unfinished attics, space, and open or screened porches.

⁴ Less than 0.5 percent.

⁵ Only rooms specifically designed for sleeping purposes.

⁶ Includes a few houses with no bedrooms.

⁷ Includes such outer facing materials as cut stone, field stone, structural tile, or stucco.

⁸ Includes such outer facing materials as composition (e.g., asphalt siding and shingles), metal, or stucco.

⁹ Steel frame panels, poured concrete, a combination of metal and lumber, concrete reinforced with steel, or sheathing panels with supplementary frame members.

Source: Department of Labor, Bureau of Labor Statistics; and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 993.—SELECTED CHARACTERISTICS OF NEW NONFARM DWELLING UNITS IN MULTIFAMILY STRUCTURES, BY TYPE OF STRUCTURE: 1954 TO 1956
 [Data are for first quarter. See headnote, table 902]

CHARACTERISTICS	2- TO 4-FAMILY			5-OR-MORE FAMILY		
	1954	1955	1956	1954	1955	1956
Number of houses.....	1,000			21.9	19.1	15.4
Average floor area ¹	sq. ft.	860	720	850	630	600
Percent, all units.....		100	100	100	100	100
Floor area (sq. ft.): ¹						
Less than 400.....		(2)	(2)	(2)	7	5
400 to 499.....		(2)	(2)	(2)	12	6
500 to 599.....		(2)	(2)	(2)	9	8
600 to 699.....		28	34	25	11	15
700 to 799.....		17	16	12	10	14
800 to 900.....		19	25	28	11	20
1,000 to 1,199.....		14	10	11	7	11
1,200 to 1,499.....		8	4	12	10	4
1,500 and over.....		9	2	4	{ 1	1
Unknown.....		5	9	8	23	16
Number of bedrooms:						
No bedrooms.....		2	(*)	(4)	11	6
1 bedroom.....		27	22	24	48	53
2 bedrooms.....		60	62	57	27	33
3 bedrooms.....		6	8	14	13	4
4 bedrooms or more.....		4	1	(1)	(4)	(4)
Unknown.....		1	7	5	1	4
Exterior wall construction:						
Masonry.....		37	37	49	56	43
Solid brick.....		3	12	14	15	18
Brick facing.....		25	13	14	39	20
Concrete block.....		8	12	2	2	5
Other ⁴		1	(4)	19	(4)	(4)
Frame.....		58	55	48	43	42
Brick facing.....		15	18	15	6	11
Brick and wood facing.....		4	2	(*)	2	1
Wood facing.....		6	13	11	6	1
Asbestos shingle facing.....		3	3	3	1	(4)
Other ⁴		30	19	19	28	29
All other.....		1	1	1	(4)	11
Unknown.....		4	7	2	1	4

¹ Excludes halls, vestibules, corridors, and elevator and stair wells common to 2 or more units.

² Included with floor-area class, 600-699 square feet. ³ Included with 1-bedroom units.

⁴ Less than 0.5 percent.

⁵ Includes such outer facing materials as cut stone, field stone, structural tile, or stucco.

⁶ Includes such outer facing materials as composition (e. g., asphalt siding and shingles), metal, or stucco.

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 994.—OCCUPIED DWELLING UNITS—PERCENT OF HOME OWNERSHIP, BY REGIONS, INSIDE AND OUTSIDE STANDARD METROPOLITAN AREAS: 1950 AND 1956

[1950 figures are for April and are based on complete enumeration. 1956 figures are for February and are based on sample data collected in connection with Current Population Survey; see Technical Note, p. 193. For definition of standard metropolitan areas, see table 10.]

TENURE	1950					1956				
	United States	North- east	North Central	South	West	United States	North- east	North Central	South	West
TOTAL										
Occupied dwelling units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	65.0	48.4	60.7	53.7	57.8	60.0	52.1	66.4	60.7	59.8
Renter occupied.....	45.0	51.5	39.3	46.3	42.2	40.0	47.9	33.6	39.3	40.2
INSIDE STANDARD METROPOLITAN AREAS										
Occupied dwelling units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	51.0	44.6	55.8	51.8	56.2	57.0	48.9	62.5	61.0	59.2
Renter occupied.....	49.0	55.4	44.2	48.2	43.8	43.0	51.1	37.5	39.0	40.8
OUTSIDE STANDARD METROPOLITAN AREAS										
Occupied dwelling units.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owner occupied.....	60.3	62.6	66.8	54.8	60.4	64.6	64.5	71.4	60.5	60.9
Renter occupied.....	39.7	37.4	33.2	45.2	39.6	35.4	35.5	28.6	39.5	39.1

Source: Department of Commerce, Bureau of the Census, records.

NO. 995.—VACANT DWELLING UNITS—PERCENT DISTRIBUTION BY CONDITION AND STATUS, BY INSIDE AND OUTSIDE STANDARD METROPOLITAN AREAS: 1950 TO 1957

[1950 figures based on complete enumeration. Beginning 1955, figures based on sample data collected in connection with Current Population Survey; see Technical Note, p. 193. For definition of standard metropolitan areas, see table 10.]

CONDITION AND STATUS	TOTAL				INSIDE STANDARD METROPOLITAN AREAS	OUTSIDE STANDARD METROPOLITAN AREAS	
	April 1950	2d quarter 1955	1st quarter 1956	1st quarter 1957		April 1950	1st quarter 1957
All dwelling units	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round vacant:							
Not dilapidated	3.3	4.3	5.3	4.6	2.8	3.6	4.0
For rent or for sale (available)	1.6	2.3	2.7	2.3	1.6	2.0	1.6
For rent	1.1	1.8	2.2	1.8	1.1	1.6	1.2
For sale only	0.5	0.5	0.5	0.5	0.5	0.4	0.4
Rented or sold, awaiting occupancy	1.7	{ 0.5	0.4	0.4	1.2	{ 0.4	0.4
Held off market	1.5	2.2	1.9		1.2	1.2	
Dilapidated ¹	1.1	1.2	1.1	1.2	0.4	0.5	2.0
Seasonal ¹	2.5	2.6	2.4	2.7	1.1	1.4	4.0
Occupied	93.1	91.9	91.2	91.5	95.7	94.5	90.0
							87.3

¹ Comprises unoccupied units and units temporarily occupied by nonresidents, that is, persons with usual residence elsewhere.

Source: Department of Commerce, Bureau of the Census; *Housing and Construction Reports*, Series H-111, Nos. 1, 4, and 8.

NO. 996.—RENTAL AND HOME-OWNER VACANCY RATES—PERCENT DISTRIBUTION, BY REGIONS, AND BY INSIDE AND OUTSIDE STANDARD METROPOLITAN AREAS: 1950, 1956, AND 1957

[Rental vacancy rate is the relationship between vacant housing for rent and total rental supply. The rental supply comprises renter-occupied units, vacant units already rented and awaiting occupancy at the time of enumeration, and vacant units available for rent. Similarly, home-owner vacancy rate is the relationship between available vacant housing for sale and total home-owner supply. The home-owner supply comprises owner-occupied units, vacant units already sold and awaiting occupancy, and vacant units available for sale]

ITEM AND YEAR	United States	REGIONS				Inside standard metropoli- tan areas	Outside standard metropoli- tan areas
		North- east	North Central	South	West		
Rental vacancy rate:							
1950, April	2.6	1.5	1.7	3.4	4.9	2.2	3.2
1956, 1st quarter	5.6	2.9	4.8	7.0	9.3	4.4	7.6
1957, 1st quarter	4.8	3.0	4.6	5.7	6.6	3.9	6.3
Home-owner vacancy rate:							
1950, April	0.9	0.9	0.7	1.0	1.3	1.1	0.7
1956, 1st quarter	0.9	0.7	0.6	1.0	1.3	0.9	0.8
1957, 1st quarter	0.8	0.7	0.8	0.8	1.0	0.7	0.9

Source: Department of Commerce, Bureau of the Census; *Housing and Construction Reports*, Series H-111, No. 8.

OCCUPIED DWELLING UNITS

771

No. 997.—OCCUPIED DWELLING UNITS—TENURE, AND POPULATION PER DWELLING UNIT, BY COLOR OF OCCUPANTS, AND BY NONFARM AND FARM RESIDENCE: 1890 TO 1950

[Minus sign (—) denotes decrease. See also *Historical Statistics*, series H 89-112]

COLOR OF OCCUPANTS, RESIDENCE, AND CENSUS YEAR	OCCUPIED DWELLING UNITS (OR FAMILIES) ¹					PERCENT INCREASE OVER PRECEDING CENSUS	Population per occupied dwelling unit (or family) ²	
	Total	Reporting tenure	Owner-occupied		Renter-occupied			
			Number	Percent	Number	Percent		
1890-----	12,690,152	12,690,152	6,066,417	47.8	6,623,735	52.2		5.0
1900-----	15,903,905	15,428,987	7,205,212	46.7	8,223,775	53.3	25.8	20.7
1910-----	20,255,555	19,781,606	9,083,711	45.9	10,697,895	54.1	26.9	21.0
1920-----	24,351,676	23,810,558	10,866,900	45.6	12,943,598	54.4	20.2	14.9
1930-----	29,904,668	29,321,801	14,002,074	47.8	15,319,817	52.2	22.8	16.1
1940-----	34,854,532	34,854,532	15,195,763	43.6	19,658,769	56.4	16.6	7.2
1950-----	42,826,281	42,826,281	23,559,966	55.0	19,266,315	45.0	22.9	14.5
COLOR OF OCCUPANTS								
White								
1890-----	11,255,169	11,255,169	5,793,660	51.5	5,461,509	48.5		4.9
1900-----	14,063,701	13,659,106	6,788,069	49.7	6,871,037	50.3	25.0	21.2
1910-----	(3)	(3)	(3)	(3)	(3)	(3)	22.3	(3)
1920-----	21,825,654	21,379,163	10,286,267	48.1	11,092,896	51.0	(3)	16.0
1930-----	26,982,994	26,492,656	13,288,429	50.2	13,208,827	49.8	23.6	16.3
1940-----	31,561,126	31,561,126	14,418,092	45.7	17,143,034	54.3	17.0	7.2
1950-----	30,043,595	30,043,595	22,240,970	57.0	16,802,625	43.0	23.7	14.1
Nonwhite								
1890-----	1,434,983	1,434,983	272,757	19.0	1,162,226	81.0		5.5
1900-----	1,900,174	1,709,881	417,143	23.6	1,352,738	76.4	32.4	17.1
1910-----	(3)	(3)	(3)	(3)	(3)	(3)	(3)	11.5
1920-----	2,526,022	2,431,395	580,693	23.9	1,850,702	76.1	(3)	6.8
1930-----	2,921,669	2,829,635	713,645	25.2	2,115,990	74.8	15.7	14.7
1940-----	3,293,406	3,293,406	777,671	25.6	2,515,735	76.4	12.7	7.7
1950-----	3,782,686	3,782,686	1,318,996	34.9	2,403,600	65.1	14.9	17.1
RESIDENCE								
Nonfarm								
1890-----	7,922,973	7,922,973	2,923,671	36.9	4,999,302	63.1		(3)
1900-----	10,274,127	9,779,979	3,566,809	36.5	6,213,170	63.5	29.7	(3)
1910-----	14,131,945	13,672,044	5,245,380	38.4	8,420,604	61.6	37.5	(3)
1920-----	17,600,472	17,229,394	7,041,283	40.9	10,188,111	59.1	24.5	(3)
1930-----	23,300,026	22,917,072	10,549,972	46.0	12,367,100	54.0	32.4	25.0
1940-----	27,747,973	27,747,973	11,413,036	41.1	16,334,937	58.9	19.1	9.5
1950-----	37,105,259	37,105,259	19,801,646	53.4	17,303,613	46.6	33.7	25.8
Farm ⁴								
1890-----	4,767,179	4,767,179	3,142,746	65.9	1,624,433	34.1		(3)
1900-----	5,689,838	5,649,008	3,638,403	64.4	2,010,605	35.6	19.4	(3)
1910-----	6,123,610	6,109,562	3,838,331	62.8	2,271,231	37.2	7.6	(3)
1920-----	6,751,204	6,581,164	3,825,677	58.1	2,755,457	41.9	10.2	(3)
1930-----	6,604,037	6,404,810	3,452,102	53.9	2,952,717	46.1	-2.2	-4.6
1940-----	7,106,559	7,106,559	3,782,727	53.2	3,323,832	46.8	7.6	0.2
1950-----	5,721,022	5,721,022	3,753,320	65.7	1,962,702	34.3	-19.5	-23.7

¹ "Occupied dwelling units" for 1940 and 1950 is not exactly same as "Families" for earlier years, but differences are so small as to be negligible. Count of families for 1900 and 1930 represents private families only; that for 1890, 1910, and 1920, includes small number of quasi-family groups which were counted as families in those years.

² Since population in private families was not tabulated separately for all years, population per occupied dwelling unit (or family) is based on total population (including population in quasi-households). See table 9, pp. 12, 13.

³ Not available.

⁴ For 1890 to 1920, "Farm" contains a small proportion of urban-farm families in addition to the rural-farm families. For changes in definition of "Farm," see "Farm and nonfarm residence," p. 2.

Source: Department of Commerce, Bureau of the Census; U. S. *Census of Housing: 1950*, Vol. I, Part 1.

No. 998.—DWELLING UNITS—OCCUPANCY, TENURE, AND RACE OF OCCUPANTS:
1940 AND 1950

[In thousands of dwelling units]

OCCUPANCY, TENURE, AND RACE OF OCCUPANTS	1940		1950				Percent distribution			
	Number	Percent	Number				Total	Urban	Rural non-farm	Rural farm
			Total	Urban	Rural non-farm	Rural farm				
All dwelling units	37,325	100.0	45,983	29,569	10,056	6,358	100.0	100.0	100.0	100.0
Urban-farm dwelling units	88	0.2	96	96	-----	-----	0.2	0.3	-----	-----
Occupied dwelling units	34,855	93.4	42,826	28,492	8,613	5,721	93.1	96.4	85.6	90.0
Owner occupied	15,196	40.7	23,560	14,377	5,425	3,758	51.2	48.6	53.9	59.1
White	14,418	38.6	22,241	13,567	5,135	3,539	48.4	45.9	51.1	55.7
Negro	720	1.9	1,252	787	265	199	2.7	2.7	2.6	3.1
Other races	58	0.2	67	22	25	20	0.1	0.1	0.2	0.3
Renter occupied	19,659	52.7	19,286	14,116	3,188	1,963	41.9	47.7	31.7	30.9
White	17,143	45.9	16,803	12,434	2,846	1,522	36.5	42.1	28.3	23.9
Negro	2,437	6.5	2,381	1,630	324	428	5.2	5.5	3.2	6.7
Other races	70	0.2	82	51	18	18	0.2	0.2	0.2	0.2
Nonresident dwelling units	106	0.3	127	56	28	44	0.3	0.2	0.3	0.7
Vacant dwelling units ¹	2,365	6.3	3,030	1,021	1,416	593	6.6	3.5	14.1	9.3
Nonseasonal not dilapidated, for rent	(2)	(2)	732	493	146	93	1.6	1.7	1.5	1.5
or sale	(2)	(2)	517	354	106	57	1.1	1.2	1.1	0.9
For rent	(2)	(2)	215	138	40	36	0.5	0.5	0.4	0.6
For sale only	(2)	(2)	743	276	297	170	1.6	0.9	3.0	2.7
Nonseasonal not dilapidated, not for rent or sale ²	(2)	(2)	505	103	183	219	1.1	0.3	1.8	3.4
Nonseasonal dilapidated	678	1.8	1,050	150	790	111	2.3	0.5	7.9	1.7

¹ 1940 and 1950 data not strictly comparable. See text, p. 750.

² Not available.

³ Comprises units already rented or sold but not yet occupied, and units held off market for other reasons.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1, and Sixteenth Census Reports, *Housing*, Vol. II, Part 1.

No. 999.—DWELLING UNITS FOR GEOGRAPHIC DIVISIONS: 1950

DIVISION	TOTAL		URBAN		RURAL NONFARM		RURAL FARM	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
United States	45,983,398	100.0	29,569,073	100.0	10,056,382	100.0	6,357,943	100.0
New England	2,879,409	6.3	2,080,539	7.0	676,930	6.7	121,940	1.9
Middle Atlantic	9,171,773	19.9	7,271,291	24.6	1,498,371	14.9	402,111	6.3
East North Central	9,334,211	20.3	6,399,303	21.6	1,869,849	18.6	1,065,059	16.8
West North Central	4,411,435	9.6	2,274,630	7.7	1,050,053	10.4	1,086,752	17.1
South Atlantic	5,996,267	13.0	3,116,394	10.5	1,758,337	17.5	1,121,536	17.6
East South Central	3,195,164	6.9	1,330,434	4.5	851,620	8.5	1,013,110	15.9
West South Central	4,462,354	9.7	2,516,479	8.5	1,008,094	10.0	937,781	14.7
Mountain	1,608,421	3.5	884,417	3.0	468,824	4.7	255,180	4.0
Pacific	4,924,364	10.7	3,695,586	12.5	874,304	8.7	354,474	5.6

No. 1000.—DWELLING UNITS—YEAR BUILT: 1950

[In thousands of dwelling units. Based on 20-percent sample]

YEAR BUILT	NUMBER				PERCENT DISTRIBUTION			
	Total	Urban	Rural non-farm	Rural farm	Total	Urban	Rural non-farm	Rural farm
Number reporting year built	44,230	28,547	9,535	6,148	100.0	100.0	100.0	100.0
1945 or later	5,946	3,366	1,954	626	13.4	11.8	20.5	10.2
1940 to 1944	3,228	2,154	757	317	7.3	7.5	7.9	5.2
1930 to 1939	5,898	3,303	1,676	918	13.3	11.6	17.6	14.9
1920 to 1929	8,894	6,464	1,429	1,000	20.1	22.6	15.0	16.3
1919 or earlier	20,264	13,259	3,719	3,286	45.8	46.4	39.0	53.4

Source of tables 999 and 1000: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 1001.—DWELLING UNITS—SELECTED CHARACTERISTICS, BY STATES: 1950

DIVISION AND STATE	TOTAL DWELLING UNITS			TOTAL DWELLING UNITS, 1950				
	1940	1950	Percent increase, 1940 to 1950	Median number of rooms	Percent of dwelling units			
					In one-dwelling-unit detached structures ¹	In structures built in 1940 or later	With hot running water, private toilet and bath, not dilapidated	
United States	37,325,470	45,983,398	23.2	4.6	64.0	20.7	63.1	1.6
New England	2,438,329	2,879,409	18.1	5.1	47.4	11.8	73.9	1.2
Maine	260,659	311,441	19.5	5.3	67.9	12.0	52.4	1.4
New Hampshire	158,042	190,563	20.6	5.2	61.6	11.8	64.8	1.6
Vermont	108,362	121,911	14.6	5.8	66.1	9.0	65.3	1.6
Massachusetts	1,221,252	1,400,185	14.7	5.2	40.6	9.5	79.2	1.0
Rhode Island	203,469	244,147	20.0	4.9	40.3	11.9	62.2	1.4
Connecticut	488,543	611,162	25.1	5.0	47.2	17.3	81.8	1.1
Middle Atlantic	7,874,403	9,171,773	16.5	4.9	39.1	11.9	79.2	1.1
New York	4,032,460	4,633,806	14.9	4.5	32.7	11.1	83.5	1.2
New Jersey	1,223,587	1,501,473	22.7	5.0	46.7	15.2	83.5	1.2
Pennsylvania	2,618,056	3,036,494	16.0	5.5	45.0	11.6	71.6	0.9
E. N. Central	7,681,568	9,334,211	21.5	5.0	64.9	16.3	66.1	1.0
Ohio	1,977,693	2,402,565	21.5	5.2	66.3	15.8	69.8	0.9
Indiana	1,005,952	1,232,314	22.5	4.8	75.9	17.2	56.2	1.1
Illinois	2,280,826	2,671,647	17.1	4.7	52.2	12.3	67.0	0.9
Michigan	1,519,378	1,971,842	29.8	5.1	71.9	22.6	70.4	1.3
Wisconsin	897,719	1,055,843	17.6	5.2	68.1	15.1	58.5	1.0
W. N. Central	3,915,903	4,411,435	12.7	4.8	75.4	14.0	50.9	1.1
Minnesota	773,042	918,434	18.8	4.9	73.0	16.4	52.7	1.0
Iowa	728,654	811,912	11.7	5.3	80.4	11.2	51.4	0.8
Missouri	1,404,493	1,268,354	11.2	4.3	67.8	14.1	48.5	1.1
North Dakota	162,881	175,769	7.9	4.8	82.6	14.2	33.6	1.1
South Dakota	179,744	194,573	8.3	5.0	82.8	14.2	38.0	1.0
Nebraska	387,368	417,245	7.7	5.0	80.3	11.5	56.5	1.1
Kansas	545,721	625,148	14.6	4.8	80.1	15.8	57.8	1.9
South Atlantic	4,547,316	5,996,267	31.9	4.5	70.7	27.4	48.8	2.1
Delaware	76,567	97,013	28.4	5.6	53.8	21.9	69.6	1.4
Maryland	500,156	689,116	37.8	5.1	46.1	26.1	71.3	1.9
Dist. of Columbia	185,128	229,738	24.1	4.1	13.2	22.3	87.0	1.2
Virginia	659,787	901,483	36.6	4.7	71.5	29.0	49.7	1.7
West Virginia	459,725	544,075	18.3	4.6	70.4	19.1	44.6	1.2
North Carolina	820,888	1,058,367	28.9	4.5	83.3	26.0	34.5	1.4
South Carolina	455,809	557,672	21.5	4.3	82.1	25.3	34.3	1.8
Georgia	796,715	966,672	21.3	4.2	75.3	24.6	35.8	1.6
Florida	590,451	952,131	61.3	4.2	73.2	39.2	60.1	5.1
E. S. Central	2,736,525	3,195,164	16.8	4.2	80.1	24.6	32.7	1.4
Kentucky	729,206	820,141	12.5	4.3	78.7	18.7	35.5	1.1
Tennessee	742,080	921,837	24.2	4.2	78.6	26.7	36.0	1.5
Alabama	708,043	848,857	19.2	4.1	70.3	27.3	31.6	1.6
Mississippi	557,246	609,329	9.3	4.0	85.2	25.8	25.2	1.5
W. S. Central	3,592,215	4,462,354	24.2	4.1	80.0	31.0	47.6	2.2
Arkansas	520,613	575,163	10.5	4.0	86.5	26.9	28.7	1.8
Louisiana	619,233	777,672	25.6	4.1	73.1	30.0	40.5	1.7
Oklahoma	647,485	715,691	10.5	4.2	83.6	24.0	51.7	2.2
Texas	1,804,884	2,393,828	32.6	4.1	79.6	34.4	53.2	2.5
Mountain	1,238,588	1,608,421	29.9	4.0	75.9	30.0	62.3	2.7
Montana	177,443	194,256	9.5	4.0	78.0	19.1	56.3	1.7
Idaho	152,835	188,328	23.2	4.1	83.1	27.5	61.6	2.4
Wyoming	76,868	92,086	19.8	3.9	73.3	25.7	60.5	2.0
Colorado	354,600	436,226	23.0	4.2	71.9	22.7	61.1	1.9
New Mexico	145,642	199,706	37.1	3.7	78.2	39.7	51.0	2.9
Arizona	147,079	240,750	63.7	3.7	79.2	46.9	62.5	5.1
Utah	147,291	200,554	36.2	4.2	70.8	29.1	79.8	2.2
Nevada	36,770	56,515	53.7	3.8	75.8	39.6	73.7	3.6
Pacific	3,300,623	4,924,364	49.2	4.3	71.3	33.8	83.6	2.7
Washington	590,439	809,701	37.1	4.3	77.6	29.7	78.8	2.7
Oregon	369,811	524,003	41.7	4.4	79.8	32.6	74.0	2.7
California	2,840,373	3,590,660	53.4	4.3	68.6	34.9	86.0	2.7

¹ Includes occupied trailers.² Based on 20-percent sample.

CONSTRUCTION AND HOUSING

No. 1001.—DWELLING UNITS—SELECTED CHARACTERISTICS, BY STATES: 1950—Continued

DIVISION AND STATE	OCCUPIED DWELLING UNITS, 1950								OWNER-OCCUPIED NONFARM, 1950	RENTER-OCCUPIED NONFARM, 1950	
	Total number	Population in dwelling units	Median number of persons per room	Percent of dwelling units				Percent mortgaged	Median value of one-dwelling-unit structures ⁴	Median contract monthly rent	Median gross monthly rent
				With 1.01 or more persons per room	Occupied by non-white	Owner occupied	With central heating ²				
U. S.	42,826,281	145,030,888	3.1	15.7	8.8	55.0	50.4	80.2	44.0	\$7,354	\$35.50
New England											
Maine	2,613,421	8,880,812	3.1	9.9	1.4	50.9	65.9	86.2	56.6	8,943	30.45
N. H.	254,443	881,015	3.1	12.1	0.2	62.8	48.1	71.1	31.8	4,856	27.95
Vermont	155,203	509,828	3.0	8.9	0.2	61.5	57.0	82.1	45.0	6,199	26.07
Mass.	103,496	363,298	3.1	9.0	0.1	61.3	51.4	77.5	41.1	6,277	27.54
R. I.	1,305,194	4,453,219	3.1	9.8	1.5	47.9	71.4	87.2	62.6	9,144	31.61
Conn.	509,638	1,922,794	3.1	9.7	2.2	51.1	68.9	93.6	61.1	11,862	31.85
Mid. Atlantic											
New York	8,614,655	28,987,149	3.1	11.4	5.4	47.7	79.4	90.1	48.9	8,627	38.42
New Jersey	4,325,139	14,152,766	3.0	12.4	5.4	37.9	82.2	90.2	56.7	10,152	41.02
Pa.	1,873,637	4,658,508	3.1	10.2	5.3	53.1	70.7	92.6	51.3	10,408	39.12
E. N. Central											
Ohio	2,225,447	750,558	3.1	9.7	1.6	45.3	58.5	86.0	54.0	9,767	25.62
Indiana	1,168,916	3,810,485	2.9	13.8	3.9	55.6	54.0	82.6	46.6	6,226	34.26
Illinois	2,582,000	8,341,171	3.0	12.6	6.6	50.1	68.7	87.8	30.9	8,646	41.91
Michigan	1,790,702	6,136,272	3.1	10.9	5.4	67.5	68.2	87.0	43.6	7,496	40.29
Wisconsin	967,448	3,320,043	3.1	11.2	0.9	60.0	65.6	86.2	42.9	7,720	38.33
W. N. Central											
Minnesota	4,148,910	13,581,307	2.9	11.9	5.0	63.5	64.4	81.9	37.8	6,391	33.76
Iowa	845,265	2,876,145	3.1	13.0	0.8	66.4	60.1	79.5	41.1	7,806	35.72
Missouri	780,167	2,538,841	2.9	10.3	0.7	63.4	57.3	82.3	32.3	6,320	34.80
N. Dak.	1,197,507	3,813,053	2.8	16.8	6.8	57.7	47.2	76.0	41.1	6,309	36.44
S. Dak.	162,105	600,012	3.4	20.5	1.2	66.2	51.9	68.1	22.8	5,396	36.14
Nebraska	182,978	631,235	3.1	15.4	2.5	62.2	41.4	73.6	52.0	5,410	42.30
Kansas	394,148	1,279,013	2.9	12.6	1.5	60.6	51.5	82.1	32.0	5,918	36.71
S. Atlantic											
Delaware	5,539,058	20,344,644	3.3	21.4	20.9	52.1	27.2	69.5	42.0	6,349	28.92
Maryland	90,390	307,314	3.1	9.6	12.1	58.9	65.2	82.1	51.0	9,079	35.80
D. C.	641,222	2,245,275	3.2	12.3	13.6	56.3	70.3	81.9	49.0	8,033	30.68
Virginia	224,142	715,861	2.7	14.1	27.9	32.3	90.8	92.0	60.1	14,498	53.72
W. Va.	845,250	3,141,756	3.3	19.1	10.4	55.1	34.9	72.6	43.5	6,581	31.71
N. C.	518,281	1,963,114	3.4	22.6	5.3	55.0	25.1	74.2	32.5	5,473	21.63
S. C.	994,356	3,931,516	3.5	25.1	22.7	53.3	14.8	64.1	36.4	4,901	20.88
Georgia	514,638	2,061,697	3.5	28.9	34.5	44.1	8.0	58.0	40.2	5,112	17.39
Florida	889,266	3,335,172	3.3	27.2	28.0	46.5	14.2	58.9	40.2	5,235	19.97
E. S. Central											
Kentucky	2,991,832	11,193,665	3.3	27.9	22.0	53.6	16.6	60.4	34.9	4,933	21.63
Tennessee	778,754	2,865,393	3.2	25.1	7.3	52.7	24.8	65.9	35.5	5,283	24.66
Alabama	871,474	3,200,784	3.3	25.3	15.5	56.5	20.3	65.6	37.2	5,268	24.13
Mississippi	786,839	2,909,317	3.4	30.5	29.3	49.4	11.2	58.7	34.6	4,473	17.51
W. S. Central											
Arkansas	554,765	2,125,171	3.3	32.1	42.3	47.8	7.0	46.6	29.4	4,159	18.81
Louisiana	4,101,717	14,102,683	3.0	23.7	15.9	55.8	12.5	69.5	37.3	5,446	31.57
Oklahoma	524,391	1,874,484	3.1	26.7	21.2	54.5	10.1	55.1	29.1	4,087	22.60
Texas	724,945	2,616,079	3.2	26.2	30.8	50.3	10.7	62.5	37.1	5,141	22.21
Mountain											
Montana	2,189,178	7,445,609	3.0	28.3	12.1	56.7	11.1	74.3	37.9	5,805	35.96
Idaho	1,445,433	4,877,377	3.0	22.8	3.4	59.4	38.8	77.1	38.8	6,582	36.65
Wyoming	175,470	566,284	2.9	19.0	2.1	60.3	40.0	77.0	27.2	5,707	35.35
Colorado	169,110	572,854	3.1	22.2	1.0	65.5	50.4	81.8	32.5	5,852	35.91
N. Mex.	84,185	274,991	3.0	22.2	1.6	54.0	37.9	77.5	36.9	6,811	38.41
Arizona	391,235	1,257,727	2.9	18.0	1.8	58.1	52.2	77.6	41.7	7,151	36.31
Utah	176,903	659,051	3.3	34.0	5.6	58.8	23.9	63.5	36.2	5,697	39.19
Nevada	187,825	673,447	3.3	23.4	1.4	65.3	54.8	88.2	42.7	7,409	36.08
Pacific	50,241	151,031	2.6	16.3	5.2	48.7	25.4	80.3	39.6	8,859	42.33
Wash.	4,548,199	13,757,084	2.7	12.2	4.1	57.2	43.2	84.0	49.9	8,872	39.56
Oregon	735,746	2,243,893	2.7	11.3	2.0	65.0	43.5	81.6	43.0	7,169	36.57
California	479,047	1,467,556	2.8	12.7	1.2	65.3	36.6	80.6	40.3	6,846	38.01
	3,333,406	10,045,635	2.7	12.3	5.0	54.3	44.1	85.1	53.0	9,564	40.48

² Based on 20-percent sample.³ Restricted to units in 1- to 4-dwelling-unit structures without business.⁴ Restricted to 1-dwelling-unit properties without business.

Source: Department of Commerce, Bureau of the Census; U. S. Census of Housing: 1950, Vol. I, Part 1, and Sixteenth Census Reports, Housing, Vol. II, Part 1.

No. 1002.—DWELLING UNITS—TYPE OF STRUCTURE, ROOMS, PERSONS, AND FACILITIES: 1940 AND 1950

[In thousands of dwelling units. Percent not shown where less than 0.1]

SUBJECT	1940		1950							
			Number			Percent distribution				
	Number	Percent	Total	Urban	Rural non-farm	Rural farm	Total	Urban	Rural non-farm	Rural farm
Total dwelling units-----	37,325	100.0	45,983	29,569	10,056	6,358	100.0	100.0	100.0	100.0
TYPE OF STRUCTURE										
1 to 4 dwelling unit-----	33,397	89.5	40,501	24,470	9,788	6,332	88.3	82.8	97.3	99.6
1 dwelling unit, detached-----	23,808	64.0	29,116	14,471	8,567	6,078	63.3	48.9	85.2	95.6
1 dwelling unit, attached-----	(2)	(2)	1,210	1,056	110	44	2.6	3.6	1.1	0.7
1 and 2 dwelling unit, semi-detached-----	(2)	(2)	1,589	1,312	237	40	3.5	4.4	2.4	0.6
2 dwelling unit, other-----	(2)	(2)	5,302	4,518	634	149	11.5	15.3	6.3	2.3
3 and 4 dwelling unit-----	(2)	(2)	3,374	3,113	240	21	7.3	10.5	2.4	0.3
5 to 9 dwelling unit-----	1,402	4.0	2,138	2,028	102	8	4.6	6.9	1.0	0.1
10 dwelling unit or more-----	2,436	6.5	2,940	2,897	37	5	6.4	9.8	0.4	0.1
Trailers-----	(3)	(3)	315	174	128	12	0.7	0.6	1.3	0.2
NUMBER OF ROOMS										
Number reporting-----	36,832	100.0	44,898	29,044	9,687	6,167	100.0	100.0	100.0	100.0
1 room-----	1,307	3.5	1,296	836	349	110	2.9	2.9	3.6	1.8
2 rooms-----	3,215	8.7	3,384	2,233	828	323	7.5	7.7	8.5	5.2
3 rooms-----	5,332	14.5	6,670	4,582	1,408	680	14.9	15.8	14.5	11.0
4 rooms-----	6,892	18.7	9,814	6,195	2,326	1,293	21.9	21.3	24.0	21.0
5 rooms-----	7,302	19.8	9,522	6,486	1,904	1,131	21.2	22.3	19.7	18.3
6 rooms-----	6,322	17.2	7,655	5,044	1,450	1,070	16.8	17.4	15.0	17.4
7 rooms-----	2,860	7.8	3,320	1,965	704	651	7.4	6.8	7.3	10.6
8 rooms or more-----	3,508	9.7	3,328	1,702	717	908	7.4	5.9	7.4	14.7
Median number of rooms-----	4.7	-----	4.6	4.6	4.5	5.1	-----	-----	-----	-----
TOILET FACILITIES										
Number reporting-----	36,770	100.0	45,261	29,204	9,803	6,254	100.0	100.0	100.0	100.0
Flush toilet inside structure, exclusive use-----	21,967	59.7	32,335	25,363	5,240	1,732	71.4	86.8	53.5	27.7
Flush toilet inside structure, shared-----	1,827	5.0	1,839	1,655	160	24	4.1	5.7	1.6	0.4
Other toilet facilities (including privy) and no toilet-----	12,975	35.3	11,087	2,186	4,403	4,498	24.5	7.5	44.9	72.0
BATHING FACILITIES										
Number reporting-----	36,649	100.0	44,776	28,920	9,669	6,187	100.0	100.0	100.0	100.0
Installed bathtub or shower, exclusive use-----	20,606	56.2	31,022	24,165	5,013	1,845	69.3	83.6	51.8	29.8
Installed bathtub or shower, shared-----	1,723	4.7	1,734	1,560	151	23	3.9	5.4	1.6	0.4
No bathtub or shower-----	14,321	39.1	12,020	3,195	4,506	4,320	26.8	11.0	46.6	69.8
Occupied dwelling units-----	34,855	100.0	42,826	28,492	8,613	5,721	100.0	100.0	100.0	100.0
NUMBER OF PERSONS										
1 person-----	2,677	7.7	3,993	2,839	867	288	9.3	10.0	10.1	5.0
2 persons-----	8,630	24.8	12,023	8,340	2,347	1,336	28.1	29.3	27.2	23.4
3 persons-----	7,796	22.4	9,763	6,727	1,870	1,165	22.8	23.6	21.7	20.4
4 persons-----	6,325	18.1	7,878	5,287	1,557	1,034	18.4	18.6	18.1	18.1
5 persons-----	4,013	11.5	4,466	2,813	921	733	10.4	9.9	10.7	12.8
6 persons-----	2,360	6.8	2,258	1,302	491	495	5.3	4.6	5.7	8.1
7 persons-----	1,341	3.8	1,160	613	261	285	2.7	2.2	3.0	5.0
8 persons or more-----	1,713	5.0	1,285	571	300	415	3.1	2.0	3.5	7.3
Median number of persons-----	3.3	-----	3.1	3.0	3.1	3.6	-----	-----	-----	-----
PERSONS PER ROOM										
Number reporting-----	34,447	100.0	42,154	28,098	8,451	5,606	100.0	100.0	100.0	100.0
0.75 or less-----	18,910	54.9	25,357	17,245	4,895	3,216	60.2	61.4	57.9	57.4
0.76 to 1.00-----	8,573	24.9	10,170	7,119	1,912	1,140	24.1	25.3	22.6	20.3
1.01 to 1.50-----	3,879	11.3	4,020	2,426	916	678	9.5	8.6	10.8	12.1
1.51 or more-----	3,086	9.0	2,608	1,308	728	572	6.2	4.7	8.6	10.2

¹ 1950 statistics include units with business; 1940 statistics exclude units with business and include "other dwellings."

² 1940 classification not strictly comparable with 1950. See source publication.

³ Included with "1 dwelling unit, detached."

Source: Department of Commerce, Bureau of the Census; U. S. Census of Housing: 1950, Vol. I, Part 1, and Sixteenth Census Reports, Housing, Vol. II, Part 1.

CONSTRUCTION AND HOUSING

No. 1003.—DWELLING UNITS—WATER SUPPLY, CONDITION AND PLUMBING FACILITIES, AND REFRIGERATION AND HEATING EQUIPMENT: 1950

[In thousands of dwelling units]

SUBJECT	NUMBER				PERCENT DISTRIBUTION			
	Total	Urban	Rural non-farm	Rural farm	Total	Urban	Rural non-farm	Rural farm
All dwelling units	45,983	29,569	10,056	6,358	-----	-----	-----	-----
WATER SUPPLY								
Number reporting	45,289	29,240	9,799	6,249	100.0	100.0	100.0	100.0
Hot and cold piped running water inside structure	31,750	25,052	4,922	1,784	70.1	85.7	50.2	28.5
Only cold piped running water inside structure	5,746	3,119	1,740	887	12.7	10.7	17.8	14.2
Piped running water outside structure	1,004	560	335	169	2.3	1.9	3.4	2.7
No piped running water	6,720	509	2,802	3,409	14.8	1.7	28.6	54.6
CONDITION AND PLUMBING FACILITIES								
Number reporting	44,502	28,763	9,605	6,135	100.0	100.0	100.0	100.0
Not dilapidated:								
With private toilet and bath, and hot running water	28,102	22,871	4,301	1,431	63.1	77.8	44.8	23.3
With private toilet and bath, and only cold water	1,435	935	373	128	3.2	3.2	3.9	2.1
With running water, lacking private toilet or bath	5,491	3,034	1,537	921	12.3	10.5	16.0	15.0
No running water ¹	5,133	569	2,104	2,460	11.5	2.0	21.9	40.1
Dilapidated: ²								
With private toilet and bath, and hot running water	627	510	86	30	1.4	1.8	0.9	0.5
Lacking hot water, private toilet or bath	3,712	1,344	1,204	1,164	8.3	4.7	12.5	19.0
Occupied dwelling units	42,826	28,492	8,613	5,721	-----	-----	-----	-----
REFRIGERATION EQUIPMENT³								
Number reporting	42,060	27,996	8,442	5,622	100.0	100.0	100.0	100.0
Mechanical	33,720	24,092	6,102	3,526	80.2	86.1	72.3	62.7
Ice	4,445	2,798	985	663	10.6	10.0	11.7	11.8
Other or none	3,894	1,106	1,355	1,433	9.3	4.0	16.1	25.5
HEATING EQUIPMENT⁴								
Number reporting heating equipment	42,056	28,045	8,423	5,588	100.0	100.0	100.0	100.0
Central heating	21,191	17,553	2,620	1,013	50.4	62.6	31.1	18.1
Pipe steam or hot water	9,890	8,922	736	183	23.5	31.8	9.3	3.3
Warm air furnace	11,301	8,637	1,834	830	26.9	30.8	21.8	14.9
Noncentral heating or not heated	20,865	10,487	5,803	4,575	49.6	37.4	68.9	81.9
Noncentral heating	20,295	10,065	5,720	4,510	48.3	35.9	67.9	80.7
Other means with flue	15,122	6,690	4,591	3,841	36.0	23.9	54.5	68.7
Other means without flue	5,173	3,375	1,129	669	12.3	12.0	13.4	12.0
Not heated	570	422	83	65	1.4	1.5	1.0	1.2

¹ Units with both flush toilet and bathtub (or shower) inside structure.

² Includes units with only piped running water outside structure.

³ Below generally accepted minimum standard for housing because of either deterioration or inadequate construction; and should be torn down or extensively repaired or rebuilt. ⁴ Based on 20-percent sample.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 1004.—OCCUPIED FARM DWELLING UNITS—YEAR BUILT, ELECTRIC LIGHTING, AND HEATING EQUIPMENT BY CONDITION AND PLUMBING FACILITIES: 1950

[Data based on sample; see source for explanation of sampling variability]

CONDITION AND PLUMBING FACILITIES ¹	ALL OCCUPIED UNITS				NONWHITE-OCCUPIED UNITS			
	Number (1,000)	Percent with—		Built in 1940 or later	Number (1,000)	Percent with—		Heating equip- ment
		Electric lights	Heating equip- ment			Cent- ral	Non- central, with flue	
Total ²	5,659.6	80	18	69	853.5	15	633.8	44
Not dilapidated	4,540.9	87	21	66	749.9	17	345.3	54
All facilities	1,318.9	99	49	39	236.5	18	12.0	23
Some facilities	983.3	95	20	66	137.7	14	23.1	4
No facilities	2,238.7	75	5	82	375.7	17	310.1	50
Dilapidated	961.0	53	3	83	86.6	9	297.9	32
All or some facilities	122.4	86	13	70	9.8	8	10.3	51
No facilities	838.6	48	1	85	76.8	9	287.6	31

¹ Units with all plumbing facilities have all of following facilities inside structure: Private flush toilet, private bath, and hot and cold running water. Units with no facilities have no private flush toilet, no private bath, and no running water inside structure.

² Includes dwelling units for which condition or plumbing facilities were not reported.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. III.

No. 1005.—DWELLING UNITS—MORTGAGE STATUS OF NONFARM OWNER-OCCUPIED UNITS: 1890 TO 1950

[For 1940 and 1950, mortgage statistics are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business. An owner-occupied dwelling unit was reported as mortgaged if property on which it was located had an indebtedness in form of a mortgage or deed of trust, or if occupants had contract to purchase property. For 1920 and earlier, mortgage data are for owner-occupied units in all types of structures. Although types of units for which mortgage data were reported are not the same for all censuses, differences are not large enough to invalidate comparisons.]

CENSUS YEAR	Total owner-occupied dwelling units	Reporting mortgage status	MORTGAGED		Not mortgaged
			Number	Percent	
1890	2,923,671	2,923,671	809,933	27.7	2,113,738
1900	3,566,809	3,394,967	1,086,605	32.0	2,308,362
1910	5,245,380	5,109,916	1,701,062	33.3	3,408,854
1920	7,041,283	6,867,546	2,735,668	39.8	4,131,878
1930	10,549,972	(1)	(1)	(1)	(1)
1940	11,413,036	10,611,259	4,804,778	45.3	5,806,481
1950	19,801,646	17,795,844	7,825,116	44.0	9,970,728
Urban	14,376,594	13,296,133	6,429,743	48.4	6,866,390
Rural nonfarm	5,425,052	4,499,711	1,395,373	31.0	3,104,338

¹ Not available.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 1006.—MORTGAGE DEBT OUTSTANDING, BY TYPE OF PROPERTY AND HOLDER: 1940 TO 1956

[In billions of dollars. As of December 31]

YEAR	ALL PROPERTIES			NONFARM				FARM	
	All holders	Financial institutions ¹	Other holders	All holders	1- to 4-family houses		Multi-family and commercial properties ²	All holders	Financial institutions ¹
					Total	Financial institutions ¹			
1940	36.5	19.5	16.9	30.0	17.4	10.2	12.6	7.8	6.5
1945	35.5	21.0	14.5	30.8	18.6	12.2	12.2	7.4	4.8
1948	56.2	37.8	18.4	50.9	33.3	25.0	17.6	10.9	5.3
1949	62.7	42.9	19.8	57.1	37.6	28.5	19.5	12.3	5.6
1950	72.8	51.7	21.1	66.7	45.2	35.4	21.6	14.0	6.1
1951	82.2	59.5	22.7	75.6	51.7	41.1	23.9	15.9	6.6
1952	91.2	66.9	24.3	84.1	58.5	46.8	25.6	17.2	7.2
1953	101.1	75.1	26.0	93.5	66.1	53.6	27.4	18.5	7.7
1954	113.6	85.8	27.8	105.4	75.7	62.5	29.7	20.0	8.2
1955	129.7	99.4	30.4	120.8	88.1	73.8	32.6	22.0	9.0
1956 (prel.)	144.5	111.4	33.1	134.8	99.2	83.5	35.6	24.0	9.7

¹ Comprises commercial banks (including nondeposit trust companies but not trust departments), mutual savings banks, life insurance companies, and savings and loans associations.

² Derived figures, which include negligible amount of farm loans held by savings and loan associations.

Source: Board of Governors of the Federal Reserve System. Figures published currently in *Federal Reserve Bulletin*.

No. 1007.—NONFARM MORTGAGES RECORDED—MORTGAGES OF \$20,000 OR LESS,
BY TYPE OF MORTGAGEE: 1940 to 1956

[Numbers in thousands; amounts in millions of dollars. Continental U. S. only. Estimates based on recordings in 450 counties and similar political subdivisions, which contain over one-half of the 1- to 4-family nonfarm dwelling units]

MORTGAGEE	1940	1945	1950	1951	1952	1953	1954	1955	1956
NUMBER									
Total	1,456	1,639	3,032	2,878	3,023	3,164	3,458	3,913	3,602
Savings and loan associations	503	575	935	902	1,027	1,100	1,198	1,373	1,202
Insurance companies	68	47	227	207	171	168	186	191	169
Commercial banks	316	299	628	583	600	599	661	783	724
Mutual savings banks	45	52	165	145	153	168	183	210	197
Individuals	340	499	610	631	671	682	675	726	734
Miscellaneous mortgagees	184	167	466	410	407	438	554	631	575
AMOUNT									
Total	4,031	5,650	16,179	16,405	18,018	19,747	22,974	28,484	27,088
Average amount dol.	2,769	3,448	5,335	5,701	5,950	6,241	6,644	7,279	7,521
Savings and loan associations	1,284	2,017	5,060	5,295	6,452	7,365	8,312	10,452	9,532
Insurance companies	334	250	1,618	1,615	1,420	1,480	1,768	1,932	1,799
Commercial banks	1,006	1,097	3,365	3,370	3,600	3,680	4,239	5,617	5,458
Mutual savings banks	170	217	1,064	1,013	1,137	1,327	1,501	1,858	1,824
Individuals	640	1,402	2,299	2,539	2,758	2,841	2,882	3,362	3,558
Miscellaneous mortgagees	598	666	2,774	2,572	2,651	3,055	4,272	5,265	4,917

Source: Federal Home Loan Bank Board.

No. 1008.—ESTIMATED NONFARM REAL ESTATE FORECLOSURES: 1926 TO 1956

[Continental U. S. only. Based on data from approximately 1,400 counties, cities, townships, or other government divisions. Represents number of properties acquired through foreclosure proceedings. Excludes voluntary deeds of sale in lieu of foreclosure and defaults on real estate contracts]

YEAR	Fore-closures	YEAR	Fore-closures	YEAR	Fore-closures						
1926	68,100	1937		151,366	1948						13,052
1927	91,000	1938		118,357	1949						17,635
1928	116,000	1939		100,410	1950						21,537
1929	134,900	1940		75,556	1951						18,141
1930	150,000	1941		58,559	1952						18,135
1931	193,800	1942		41,097	1953						21,473
1932	248,700	1943		25,281	1954						26,211
1933	252,400	1944		17,153	1955						28,529
1934	230,350	1945		12,706	1956						30,963
1935	228,713	1946		10,453							
1936	185,439	1947		10,559							

Source: Federal Home Loan Bank Board.

No. 1009.—MORTGAGE LOANS ON ONE- TO FOUR-FAMILY NONFARM HOMES—ESTIMATED BALANCE OUTSTANDING, BY TYPE OF MORTGAGEE: 1945 to 1956

[In millions of dollars. Represents estimates on basis of recent surveys and more detailed analyses of mortgage holdings. See also *Historical Statistics*, series H 120-126]

MORTGAGEE	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
Total	18,591	23,034	28,199	33,279	37,619	45,170	51,711	58,500	66,094	75,677	88,250	99,163
Savings and loan associations	5,156	6,840	8,475	9,841	11,117	13,116	14,844	17,645	20,999	25,004	30,001	34,183
Life insurance companies	2,306	2,545	3,497	4,943	6,093	8,478	10,610	11,757	13,105	15,153	17,661	20,345
Mutual savings banks	1,894	2,033	2,283	2,835	3,364	4,312	5,331	6,194	7,373	9,002	11,100	12,851
Commercial banks	2,875	4,576	6,303	7,396	7,956	9,481	10,275	11,250	12,025	13,300	15,075	16,255
Home Owners' Loan Corporation	852	636	486	369	231	10						
Federal National Mortgage Association	7	6	4	198	806	1,328	1,818	2,210	2,358	2,328	2,444	2,866
Individuals and others	5,501	6,398	7,151	7,697	8,052	8,445	8,833	9,444	10,144	10,890	11,069	12,683

Source: Federal Home Loan Bank Board; *Annual Report*.

Section 30

Manufactures

This section presents measures of the manufacturing segment of the economy and its component inputs and outputs. The input data include figures for establishments; employment and wages; raw materials, fuels, and energy consumed; plant and equipment expenditures; and water use. The output data include figures for value and quantity of production and shipments; and value added by manufacture. Both types of data are shown for manufacturing as a whole, for major product groups, and for specific selected products.

The principal sources of these data are the reports of the Census of Manufactures conducted periodically by the Bureau of the Census; the same agency's *Annual Survey of Manufactures*; and its *Facts for Industry* series which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as Bureau of Labor Statistics, Agricultural Marketing Service, Business and Defense Services Administration, Fish and Wildlife Service, Tariff Commission, and Internal Revenue Service, and by private research or trade associations such as the American Iron and Steel Institute, the National Canners Association, and the National Association of Hosiery Manufacturers.

Data on financial operations and intercorporate relations of manufacturing corporations are collected from time to time by the Securities and Exchange Commission, the Tariff Commission, and the Federal Trade Commission. Financial statistics for certain manufacturing industries in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are summarized and published for the leading corporations that are registered with the Securities and Exchange Commission. The Tariff Commission publishes commodity surveys which cover economic and competitive aspects of production, distribution, and international trade in selected important industries. Each survey deals with several products which are related because of the raw materials consumed, or competitive uses. The Federal Trade Commission has made several comprehensive studies of individual industries.

Censuses and annual surveys.—The first Census of Manufactures covered the year 1809 and a census was taken at 10-year intervals to 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919, and every second year from 1921 through 1939, but was suspended during the war period until the 1947 Census. A census covering the year 1954 was the first taken under present legislation which provides for a quinquennial Census of Manufactures.

The *Annual Survey of Manufactures* was conducted for the first time in 1949 and carries forward, for the intercensal years, measures of manufacturing activity covered in detail by the quinquennial Census of Manufactures. It is designed to yield estimates of general statistics (employment, payrolls, value added by manufacture, inventories, and capital expenditures) for industry groups, important individual industries, geographic divisions, States, and important cross-tabulations of major industry groups by division and by State.

Note.—This section presents data for the most recent year or period available on June 6, 1957, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

The annual survey is based on a sample of about 55,000 of an approximate total of 288,000 manufacturing establishments. It comprises all large plants and a representative selection of the more numerous small plants. The large plants in the survey account for approximately two-thirds of total manufacturing employment in the United States. (Government-owned and -operated establishments are excluded.)

Establishments and classification.—The 1947 and 1954 Censuses of Manufactures covered operating manufacturing establishments as defined in the *Standard Industrial Classification Manual* issued by the Bureau of the Budget. Reports were required from all establishments employing one or more persons at any time during the census year. Each of the establishments tabulated was classified in one of the 461 manufacturing industries as defined by the Standard Industrial Classification system. This system defines an industry as a number of establishments producing a single product or a closely related group of products. An establishment is classified in a particular industry if its production of this product or product group exceeds in value its production of any other product group. In a few instances, the industry classification of an establishment is determined not only by its product group but also by the processes employed in making those products.

While some establishments produce only the products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the establishments in that industry but also their activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of products primary to that industry.

The 1947 and 1954 Censuses were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory and is not necessarily identical with the business unit or company which consists of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

In earlier Censuses of Manufactures, establishments having less than \$5,000 value of products were designated as outside the scope of the census. The change in the minimum size limit in 1947 (employment of one person) as compared with 1939 has not appreciably affected the comparability for these two years, except for data on number of establishments for a few industries.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for the annual surveys as for the census of manufactures. Consequently, these series may be considered to be comparable. However, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the fifteenth of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. The 1954 figures are an average of reported employment totals for the four specified months, except for highly seasonal industries, where a 12-month average was obtained. Further, 1947 figures exclude data for central administrative offices and auxiliary establishments of manufacturing concerns, which are included in the statistics for later years. Employment data shown for administrative and auxiliary units were obtained from employer reports for mid-March to the Bureau of Old-Age and Survivors Insurance for the years 1949 to 1953; for 1954 such data were obtained during the census directly from each manufacturing firm.

Material in other sections.—In addition to the statistics presented in this section, statistics on the output and activities of manufacturers will be found in various other sections of this volume. For example, an historical summation of production and

consumption of raw materials appears in section 28, Mining and Mineral Products (see table 906); data on wages and hours appear in section 8, Labor Force, Employment, and Earnings; and abbreviated balance sheet and income account data on all manufacturing corporations appear in section 14, Federal Government Finances and Employment, and in section 17, Business Enterprise.

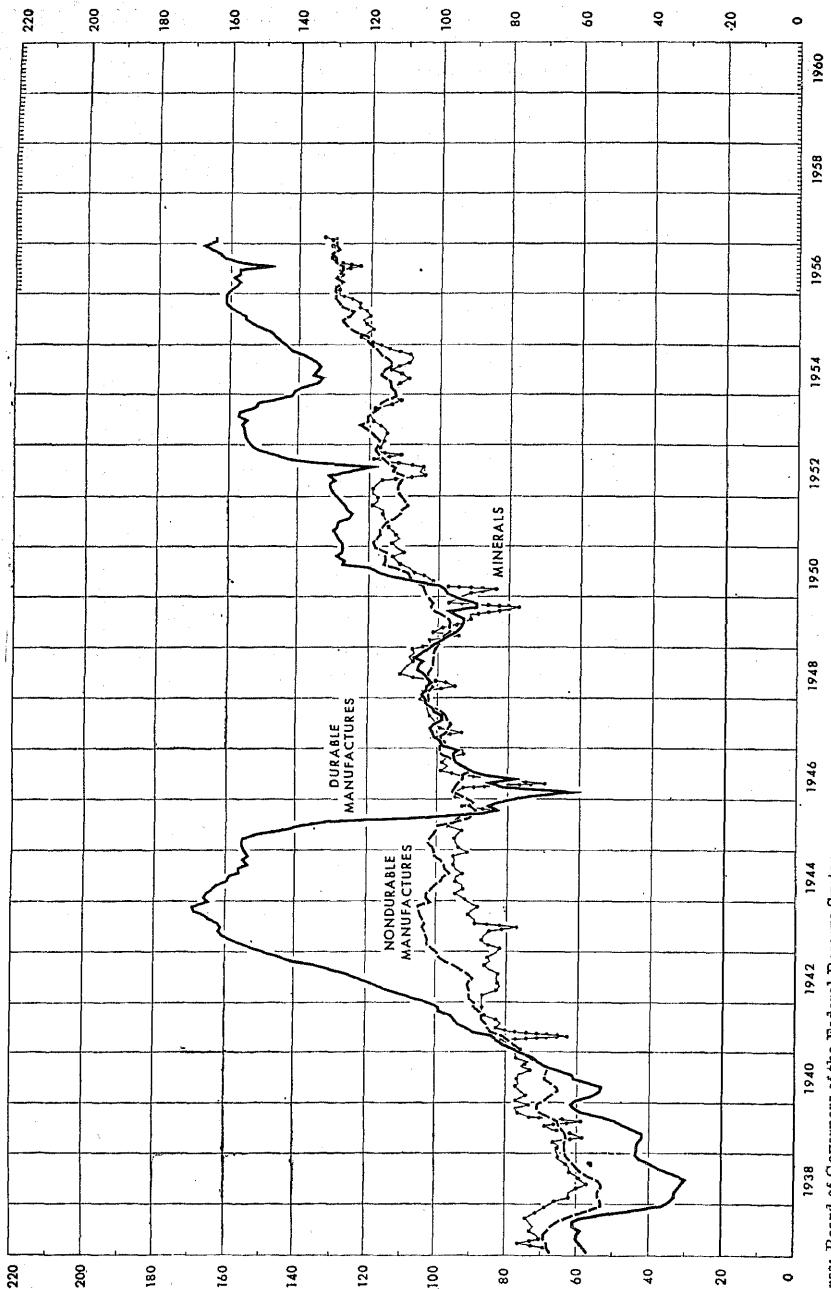
Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series J 1-12") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

Technical Note—Annual Survey of Manufactures

The annual survey estimates vary from the totals that would have been obtained from a complete canvass of all manufacturing establishments. The relative magnitude of this sampling variation is given in the source report cited. The standard error should be interpreted to mean that the sample estimates will differ from complete canvass totals by *less than*: (1) The percentage shown in approximately 2 cases out of 3; (2) twice the percentage shown in approximately 19 cases out of 20; and (3) three times the percentage shown in almost every case.

In making any study of the trend since 1947, it is important to take account of the effect of the sampling variation on the apparent increase or decrease shown between years. In addition to sampling errors, individual figures may be subject to biases arising from undetected response or procedural errors which are not reflected in the "standard errors." Figures are normally withheld from publication in the original source volumes if (1) the standard error of the estimate exceeds 15 percent, or (2) survey estimates are inconsistent with other Census series and related data. Any estimate which can be derived by subtraction of one published figure from another may have a standard error considerably in excess of 15 percent.

FIG. XXXVIII.—INDUSTRIAL PRODUCTION INDEXES: 1937 TO 1957
[1947-49=100. Monthly data based on physical volume and adjusted for seasonal variation. See table 1012.]



Source: Board of Governors of the Federal Reserve System.

No. 1010.—MANUFACTURES—SUMMARY: 1849 TO 1955

[Figures for 1849 to 1919 comprise establishments whose products were valued at \$500 or more; for 1921 to 1939, establishments whose products were valued at \$5,000 or more; for 1947 and later years, figures cover all establishments employing 1 or more persons at any time during year. See also *Historical Statistics*, series J 1-12]

YEAR	Number of estab- lishments	Number of proprietors and firm members	ALL EMPLOYEES ¹		PRODUCTION WORKERS		Value added ³ (\$1,000)
			Number (average for year) ¹	Salaries and wages (\$1,000)	Number (average for year)	Wages (\$1,000)	
Factories and hand and neighborhood industries:							
1849-----	123,025				957,059	236,755	463,983
1859-----	140,433				1,311,246	378,879	854,257
1869-----	252,148				2,053,996	520,467	1,395,119
1879-----	253,852				2,732,505	947,954	1,972,756
1889-----	353,864		4,586,494	2,200,058	4,120,355	1,820,854	4,102,301
1899-----	509,490		5,478,301	2,895,566	5,097,562	2,206,547	5,474,892
Factories, excluding hand and neighborhood industries:							
1899-----	204,754						
1904-----	213,444		4,850,019	2,258,654	4,501,919	1,892,574	4,846,081
1909-----	264,810	225,115	5,674,957	2,990,937	5,181,660	2,440,851	6,019,171
1914-----	268,436	272,421	7,012,066	4,105,470	6,261,736	3,205,213	8,160,075
1919-----	270,231	249,865	7,514,186	5,015,977	6,602,287	3,782,322	9,385,622
1921-----	192,059	172,291	7,557,364	9,870,199	8,464,916	9,664,009	23,841,624
1923-----	192,096	147,958	9,474,658	12,996,460	8,194,170	10,148,624	24,569,487
1925-----	183,877	132,971	9,142,417	12,957,707	7,871,409	9,979,649	25,667,624
1927-----	187,629	132,151	9,072,052	13,123,135	7,848,070	10,099,465	26,325,394
1929-----	206,663	132,686	9,659,742	14,284,232	8,369,705	10,884,919	30,591,435
1931-----	171,450				6,163,144	6,688,541	18,600,532
1933-----	139,325		72,267	6,557,925	6,237,800	5,787,611	4,940,146
1935-----	167,916	81,521	8,262,205	9,564,764	7,203,704	7,311,329	18,552,563
1937-----	166,794	99,268	9,786,402	12,829,749	8,569,281	10,112,883	25,173,629
1939-----	7 173,602	8 123,655	8 9,527,306	8 12,706,102	7 808,205	7 897,515	7 24,487,304
1947-----	240,807	188,948	14,293,963	39,605,558	11,917,884	30,243,971	74,200,475
1949 ⁴ -----			10 13,880,050	10 42,752,032	11,016,301	30,253,971	75,366,527
1950 ⁴ -----	260,000		10 14,769,931	10 47,892,894	11,778,803	34,600,025	80,749,765
1951 ⁴ -----	262,000		10 15,637,957	10 56,283,787	12,508,914	40,654,832	102,085,814
1952 ⁴ -----	267,000		10 16,061,041	10 61,140,549	12,706,032	43,763,640	109,162,079
1953 ⁴ -----	286,000		10 17,098,094	10 68,590,424	13,500,934	48,979,102	121,659,136
1954-----	286,817	197,885	10 16,125,550	10 65,076,667	12,373,030	44,595,457	116,912,526
1955 ⁴ -----			10 16,844,794	10 72,220,284	12,981,051	49,739,112	131,937,934

¹ Beginning 1939 includes data for employees of manufacturing establishments engaged in distribution and construction work. Extent to which data for such employees were included in figures for earlier years is not known.

² Data for 1949-54 based on pay periods ending nearest 15th of Mar., May, Aug., and Nov. For 1947, data represent average of 12 monthly figures; for earlier years, sum of average number of production workers for year and number of nonproduction workers reported for 1 payroll period (usually in October).

³ Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1849-1938, cost of contract work was not subtracted from value of products in calculating value added by manufacturer.

⁴ Not available. ⁵ Reduced to gold basis. ⁶ Excludes data for salaried officers of corporations.

⁷ Revised on basis of retabulation of returns to exclude data for establishments classified as nonmanufacturing in 1947. Value added by manufacture on a basis comparable with 1937 and previous years was \$24.7 billion.

⁸ Number of proprietors and firm members not revised. Figures for "All employees" revised on basis of estimates rather than by retabulation of 1939 reports. (See footnote 7.)

⁹ Estimates based on sample survey; see text, p. 779.

¹⁰ Includes data for administrative offices, and units auxiliary to manufacturing.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Census of Manufactures reports and *Annual Survey of Manufactures*.

No. 1011.—POPULATION, WAGE EARNERS, AND PRODUCTION—INDEXES: 1899 to 1947

[1899=100. See also *Historical Statistics*, series J 13 for indexes of production]

CENSUS YEAR	Popu- lation	Wage earners	Pro- duction (quantity) ¹	Production per wage earner	CENSUS YEAR	Popu- lation	Wage earners	Pro- duction (quantity) ¹	Production per wage earner
1899-----	100	100	100	100	1927-----	158	178	317	178
1904-----	110	115	124	108	1929-----	162	190	364	192
1909-----	121	139	158	114	1931-----	166	140	262	187
1914-----	131	147	186	127	1933-----	168	131	228	174
1919-----	140	191	222	116	1935-----	170	163	301	185
1921-----	145	147	194	132	1937-----	172	194	376	194
1923-----	149	186	280	151	1939-----	175	187	373	199
1925-----	154	178	298	167	1947-----	193	(2)	649	(2)

¹ Index of physical output for 1899-1939 from National Bureau of Economic Research. ² Not available.

Source: Department of Commerce, Bureau of the Census; 1939 *Census of Manufactures*, Vol. I, and records.

No. 1012.—INDUSTRIAL PRODUCTION—INDEXES, BY INDUSTRY GROUPS: 1947 TO 1957
 [1947-49 average=100. Monthly data adjusted for seasonal variation. See also *Historical Statistics*, series J 30-48 and G 6-8, for indexes on 1935-39 base]

YEAR AND MONTH	Total	MANUFACTURES										
		Durable manufactures										
		Total	Total	Primary metals	Fabricated metal products	Machinery	Transportation equipment	Instruments and related products	Stone, clay, and glass products	Lumber and products	Furniture and fixtures	Misc. manufacturers
1947	100	100	101	103	103	103	96	100	98	101	100	100
1948	104	103	104	107	104	104	102	105	105	106	104	105
1949	97	97	95	90	93	93	102	95	97	93	96	95
1950	112	113	116	115	115	114	120	114	118	113	117	117
1951	120	121	128	126	122	130	135	128	131	113	111	120
1952	124	125	136	116	121	147	154	142	125	111	113	122
1953	134	136	153	132	136	160	189	155	133	118	117	140
1954	125	127	137	108	123	142	175	140	131	115	106	131
Mar.	123	125	135	103	120	140	173	144	130	116	104	130
June	124	125	135	108	122	139	170	135	129	108	104	131
Sept.	124	126	137	105	122	145	167	137	134	116	109	132
Dec.	130	131	143	121	125	145	189	140	135	131	108	131
1955	139	140	155	140	134	155	203	149	149	127	119	141
Mar.	135	136	148	136	120	147	200	143	143	127	112	136
June	139	141	155	143	135	155	198	149	153	133	121	145
Sept.	142	144	160	146	141	161	205	155	155	127	125	145
Dec.	144	146	161	150	138	164	212	159	154	126	123	146
1956	143	144	159	138	135	171	190	166	158	123	122	144
Mar.	141	143	157	145	132	163	196	160	154	118	121	141
June	141	142	157	136	132	170	188	163	161	123	122	144
Sept.	144	146	162	148	139	175	198	171	-154	126	122	146
Dec.	147	149	167	145	141	177	223	173	158	117	120	144
1957:												
Mar.	145	147	162	137	137	172	222	173	155	111	118	137

YEAR AND MONTH	MANUFACTURES—Continued											Minerals, total	
	Nondurable manufactures												
	Total	Textile mill products	Apparel and allied products	Rubber products	Leather and products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Food and beverage manufacturers	Tobacco manufacturers		
1947	99	101	97	106	106	99	93	97	97	101	99	100	
1948	102	105	102	102	100	102	103	103	104	99	101	106	
1949	99	94	101	92	94	98	103	101	99	100	100	94	
1950	111	111	108	119	101	118	111	121	110	103	101	105	
1951	114	107	105	119	94	125	113	136	122	105	107	115	
1952	114	108	108	116	99	120	116	137	123	105	110	114	
1953	118	104	110	128	99	132	121	147	130	107	108	116	
1954	116	95	105	115	95	134	120	148	125	106	103	111	
Mar.	114	91	104	113	93	131	119	146	122	105	105	112	
June	116	94	103	120	95	136	121	148	124	106	107	114	
Sept.	115	98	105	117	91	137	121	150	125	106	102	108	
Dec.	119	102	107	133	100	136	121	155	129	108	101	116	
1955	126	107	113	143	105	152	127	167	135	109	105	122	
Mar.	124	104	111	140	105	147	125	161	134	107	107	121	
June	128	107	114	149	107	156	128	170	136	109	109	122	
Sept.	128	107	116	142	104	157	130	173	135	108	100	123	
Dec.	130	109	116	144	108	159	128	175	141	113	107	129	
1956	129	104	112	133	104	159	136	177	141	113	107	129	
Mar.	128	107	108	135	105	157	132	176	144	112	105	129	
June	128	100	112	120	101	161	135	176	140	111	106	129	
Sept.	130	103	113	132	102	159	137	177	143	114	106	131	
Dec.	130	103	110	137	102	157	140	179	145	114	107	130	
1957:													
Mar.	131	101	111	144	107	157	141	182	141	113	111	133	

Source: Board of Governors of the Federal Reserve System. Figures published monthly in *Federal Reserve Bulletin*.

No. 1013.—INDEXES OF OUTPUT OF CONSUMER DURABLE GOODS: 1949 TO 1956

[1947-49=100. For description of series, see *Federal Reserve Bulletin*, May 1954, pp. 438-447]

TYPE OF GOODS	1949	1950	1951	1952	1953	1954	1955	1956
Consumer durables.....	101	133	114	105	127	116	147	131
Major durables.....	107	149	122	109	138	125	164	140
Autos.....	122	159	127	103	146	131	190	138
Major household goods.....	96	143	118	115	132	122	144	144
Household furniture.....	96	120	104	109	113	101	116	117
Floor coverings.....	98	111	90	(1)	(1)	(1)	(1)	(1)
Appliances and heaters.....	88	132	112	99	118	111	138	143
Major appliances.....	92	137	115	100	123	115	144	151
Ranges.....	78	120	98	75	90	79	100	103
Refrigeration appliances.....	101	154	127	106	137	124	151	150
Laundry appliances.....	85	132	116	115	141	148	193	216
Heating apparatus.....	78	117	102	94	100	97	120	118
Radio and television sets.....	119	243	178	184	230	214	242	224
Radio sets.....	68	77	64	53	67	52	77	70
Television sets.....	217	561	396	436	541	522	558	519
Other consumer durables.....	86	95	96	95	102	95	106	111
Auto parts and tires.....	80	87	89	90	91	91	102	105
Miscellaneous home and personal goods.....	92	101	101	100	111	99	109	116

1 Series suspended pending revision for the period 1952 to 1956.

Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

No. 1014.—COST OF FUELS CONSUMED AND PURCHASED ELECTRIC ENERGY, FOR MAJOR INDUSTRY GROUPS: 1952 AND 1953

[In thousands of dollars. Excludes value of fuels and electric energy produced and consumed in the same establishment; also excludes cost of fuels used as raw materials, such as coal used in making coke. Figures based on sample and subject to sampling variation; standard errors for figures generally range from 1 to 10 percent. See Technical Note, p. 781, for explanation of standard error]

MAJOR INDUSTRY GROUP	1952			1953		
	Total	Cost of fuels consumed ¹	Cost of purchased electric energy	Total	Cost of fuels consumed ¹	Cost of purchased electric energy
All industries, total for manufacturing establishments.....	4,861,422	3,288,107	1,573,315	5,395,438	3,675,024	1,720,414
Food and kindred products.....	363,259	208,284	154,975	360,417	215,740	144,677
Tobacco manufactures.....	7,817	4,677	3,140	7,852	4,554	3,298
Textile mill products.....	215,406	97,105	118,301	222,953	98,593	124,360
Apparel and related products.....	62,079	24,857	37,222	67,624	27,720	39,904
Lumber and products (except furniture).....	145,713	89,133	56,580	143,312	88,771	54,541
Furniture and fixtures.....	35,767	15,451	20,316	36,585	16,009	20,576
Paper and allied products.....	257,468	185,607	71,861	284,070	204,164	79,906
Printing and publishing industries.....	72,933	26,666	46,267	73,654	28,199	45,455
Chemical and allied products.....	482,678	315,570	167,108	538,978	347,243	191,735
Petroleum and coal products.....	196,595	151,917	44,678	224,762	173,474	51,288
Rubber products.....	57,185	25,662	31,523	60,344	26,602	33,742
Leather and leather products.....	27,217	14,643	12,574	29,261	15,428	13,833
Stone, clay and glass products.....	359,797	267,237	92,560	372,046	277,480	94,566
Primary metal industries.....	1,814,143	1,514,233	299,915	2,127,081	1,778,020	349,061
Fabricated metal products.....	157,533	74,390	83,143	172,216	80,006	92,210
Machinery (except electrical).....	206,619	97,819	108,800	217,303	99,345	117,958
Electrical machinery.....	97,250	30,311	57,939	108,612	41,302	67,310
Transportation equipment.....	196,092	88,699	106,393	220,581	96,479	124,052
Instruments and related products.....	21,822	10,145	11,677	24,099	11,886	12,213
Miscellaneous manufactures.....	84,044	35,701	48,343	103,738	44,009	59,729

¹ Comprises purchased fuel used for power and heat, such as anthracite and bituminous coal, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and wood.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

MANUFACTURES

No. 1015.—MANUFACTURES—GENERAL STATISTICS

[See text, p. 779. "N. reg. e. c."]

INDUSTRY GROUP	Estab- lish- ments, num- ber	1947		1954	
		All employees		Value added by manu- facture ¹ (\$1,000)	Proprietors and firm- mem- bers
		Number	Payroll (\$1,000)		
1 All manufacturing establishments, incl. administrative and auxiliary units					291,004 197,850
2 Operating manufacturing establishments only	240,807	14,293,963	39,695,558	74,290,475	286,817 197,850
3 Food and kindred products ²	39,930	1,441,793	3,785,191	9,022,972	42,374 30,738
4 Meat products	3,971	274,493	782,182	1,279,742	4,992 4,180
5 Dairy products	5,423	92,693	225,312	595,168	11,503 8,682
6 Canned and frozen foods	3,825	201,109	413,041	914,184	3,513 2,051
7 Grain-mill products	4,206	118,217	311,736	1,001,692	3,352 2,257
8 Bakery products	7,122	278,784	763,999	1,362,985	6,414 5,745
9 Sugar	181	35,423	91,201	233,869	137 21
10 Candy and related products	1,754	91,710	214,558	587,065	1,490 1,078
11 Beverages	6,755	202,574	598,654	1,849,145	5,384 3,934
12 Miscellaneous foods	6,693	151,790	384,418	1,199,122	5,589 3,390
13 Tobacco manufactures	1,086	111,782	205,838	641,356	627 376
14 Cigarettes	28	27,674	63,204	368,417	19
15 Cigars	822	47,068	76,344	143,145	410 323
16 Chewing and smoking tobacco	73	11,139	22,676	57,571	65 33
17 Tobacco stemming and redrying	163	25,901	43,614	72,223	133 20
18 Textile mill products	8,157	1,232,293	2,832,706	5,322,899	8,070 3,060
19 Woolen and worsted manufactures	810	179,740	454,685	786,346	644 126
20 Yarn and thread mills	685	150,909	300,554	560,103	591 99
21 Broad-woven fabrics	1,082	427,844	937,818	1,937,020	1,060 184
22 Narrow fabric mills	480	28,080	65,011	110,571	513 222
23 Knitting mills	3,121	229,303	490,370	850,963	3,045 1,608
24 Finishing textiles, except wool	641	77,985	218,933	359,270	725 183
25 Carpets and rugs	295	57,079	157,507	330,580	327 165
26 Hats, except cloth and millinery	270	21,388	55,082	91,900	201 89
27 Miscellaneous textile goods	773	59,965	152,746	296,146	964 384
28 Apparel and related products	30,963	1,081,670	2,525,183	4,439,597	31,372 23,044
29 Men's and boys' suits and coats	1,970	151,116	406,304	676,947	1,426 921
30 Men's and boys' furnishings	4,028	253,020	455,438	801,633	3,901 2,434
31 Women's and misses' outerwear	10,087	313,095	846,416	1,428,585	10,298 7,400
32 Women's undergarments	2,053	94,615	196,157	385,206	1,843 1,020
33 Millinery	933	20,933	59,566	100,863	871 527
34 Children's outerwear	1,685	48,245	100,954	177,777	1,983 1,517
35 Fur goods	2,229	16,190	68,571	122,821	1,972 1,669
36 Miscellaneous apparel	1,728	57,793	120,600	217,248	1,804 1,238
37 Fabricated textiles, n. e. c.	6,250	126,663	271,168	528,427	7,274 6,312
38 Lumber and wood products ³	26,312	641,799	1,351,957	2,520,402	41,484 41,987
39 Logging camps and contractors ³	(7)	(7)	(7)	(7)	12,865 13,946
40 Lumber and basic products	19,695	409,808	803,116	1,571,978	20,487 22,034
41 Millwork and related products	2,750	97,347	263,712	454,352	3,834 2,911
42 Wooden containers	1,516	69,104	139,553	233,453	1,513 1,072
43 Miscellaneous wood products	2,351	65,540	145,576	260,619	2,785 2,024
44 Furniture and fixtures	7,551	316,273	806,948	1,346,277	10,273 7,323
45 Household furniture	4,879	228,429	558,058	932,405	6,470 4,450
46 Office furniture	216	20,747	58,222	104,548	241 113
47 Public and professional furniture	182	15,410	44,127	70,288	394 216
48 Partitions and fixtures	1,135	27,816	89,115	137,814	1,626 1,191
49 Screens, shades, and blinds	937	19,652	45,850	81,872	1,327 1,172
50 Furniture and fixtures, n. e. c.	202	4,219	11,576	19,350	215 181
51 Pulp, paper, and products	4,100	454,075	1,294,535	2,913,197	5,004 1,360
52 Pulp, paper, and board	890	197,803	607,556	1,462,813	932 11
53 Paper coating and glazing	181	22,269	70,661	165,580	277 84
54 Envelopes	164	13,797	39,191	68,253	196 37
55 Paper bags	192	22,230	53,774	119,074	381 110
56 Paperboard containers	1,649	118,982	315,838	669,287	1,888 622
57 Pulp, paper, and board products, n. e. c.	1,024	78,904	207,485	428,190	1,330 496

For footnotes, see pp. 700 and 701.

FOR INDUSTRY GROUPS: 1947 AND 1954

means not elsewhere classified]

1954—Continued

All employees		Production workers			Value added by manufacture ¹ (\$1,000)	Capital expenditures, new ³ (\$1,000)	Primary product specializa- tion ratio ⁴	Coverage ratio ⁵
Number	Payroll (\$1,000)	Number	Man-hours ² (1,000)	Wages (\$1,000)				
16,125,550	65,976,667	12,373,030	24,341,239	44,595,457	116,912,526	7,818,155	-----	1
15,651,294	62,993,321	12,373,030	24,341,239	44,595,457	116,912,526	7,818,155	-----	2
1,647,204	6,201,500	1,138,239	2,316,661	3,759,071	13,400,218	789,050	-----	3
311,366	1,234,617	243,135	504,344	898,665	1,930,974	91,362	.97	4
283,431	1,086,201	153,195	332,986	507,163	2,256,738	163,123	.99	5
199,238	573,057	175,366	332,414	442,308	1,301,185	77,100	.95	6
109,944	434,858	79,383	173,381	285,775	1,217,056	66,348	.99	7
291,100	1,124,420	178,778	362,381	557,592	1,977,188	89,630	.99	8
30,166	117,834	25,083	53,204	92,903	250,759	19,123	1.00	9
80,425	254,988	65,917	129,262	181,104	596,211	21,272	.97	10
202,795	867,680	118,755	231,890	460,438	2,237,428	176,602	.99	11
138,735	507,745	98,623	196,845	303,029	1,632,667	85,487	.95	12
94,863	259,689	87,073	162,988	219,736	988,001	28,018	-----	13
29,987	103,779	27,694	53,643	91,067	677,252	20,362	.99	14
38,494	89,259	36,076	65,720	78,455	165,312	2,884	.99	15
7,555	23,372	6,444	11,729	17,229	80,057	1,205	.96	16
18,846	43,278	16,857	31,894	32,983	65,378	8,566	1.00	17
1,037,440	3,032,490	947,502	1,821,075	2,526,564	4,748,586	225,914	-----	18
91,535	305,766	82,090	162,494	250,221	452,906	18,715	.97	19
111,024	267,620	104,016	189,094	231,616	415,492	30,256	.95	20
386,188	1,055,884	363,666	704,516	937,125	1,550,272	68,195	.95	21
25,676	79,063	22,862	44,962	61,456	121,547	4,802	.96	22
221,364	597,319	201,977	371,029	488,095	938,138	39,982	(?)	23
79,308	202,324	68,485	142,839	228,282	464,165	21,900	.86	24
51,194	135,340	43,756	86,086	145,202	360,866	23,916	.41	25
12,988	40,897	11,239	20,411	32,169	61,886	850	.98	26
58,159	208,274	49,407	99,630	182,413	383,320	17,296	.90	27
1,190,064	3,201,795	1,069,867	1,898,999	2,521,135	5,147,371	76,552	-----	28
121,686	382,480	109,135	191,935	307,160	548,168	8,561	.91	29
285,504	638,732	263,003	469,927	522,918	1,008,357	16,684	.94	30
363,896	1,046,120	327,042	569,369	824,534	1,686,067	15,499	.98	31
112,234	284,814	100,609	179,036	219,040	513,256	8,432	.88	32
20,235	65,809	18,222	33,577	53,667	101,180	(?)	.99	33
77,538	196,303	70,086	125,003	155,804	322,052	3,844	.94	34
9,983	42,833	7,994	13,935	33,915	74,755	417	.90	35
64,333	168,381	57,402	100,723	125,202	266,605	4,001	.92	36
134,560	381,319	116,371	215,490	278,889	626,928	23,586	.94	37
645,936	1,933,523	531,920	1,106,955	1,604,859	3,188,409	217,361	-----	38
75,510	210,625	68,171	115,576	182,295	389,928	43,632	.98	39
341,350	962,339	314,684	592,946	827,536	1,595,384	120,128	.96	40
119,416	456,405	101,017	205,260	351,221	709,768	28,613	.93	41
52,307	137,641	47,679	93,375	113,637	215,297	8,124	.94	42
57,351	166,512	50,368	99,794	130,169	278,031	11,863	.92	43
340,694	1,197,376	286,649	571,294	892,891	1,966,410	61,945	-----	44
243,932	818,893	208,262	413,823	618,344	1,320,743	40,284	.96	45
21,652	84,826	18,170	36,447	60,140	154,566	5,350	.84	46
19,570	75,730	15,791	32,955	54,758	125,674	4,732	.84	47
33,137	142,515	26,584	53,101	102,071	230,712	7,031	.88	48
18,189	59,722	14,328	27,999	40,090	109,931	3,853	.86	49
4,211	16,687	3,512	6,968	11,485	24,782	694	.75	50
530,210	2,217,420	435,227	919,940	1,656,720	4,580,944	532,723	-----	51
216,255	974,866	183,039	401,498	777,832	2,289,349	370,539	.99	52
27,697	123,991	20,017	42,091	80,101	282,007	15,240	.85	53
15,902	63,044	13,019	26,517	43,516	101,430	6,942	.96	54
33,326	121,116	27,773	56,227	89,530	211,688	18,901	.91	55
145,053	570,643	118,223	242,171	406,137	969,675	69,898	.96	56
91,974	363,760	73,654	151,434	259,602	726,732	57,201	.91	57

No. 1015.—MANUFACTURES—GENERAL STATISTICS

INDUSTRY GROUP	Establishments, number	1947		1954	
		All employees		Value added by manu- facture ¹ (\$1,000)	Proprie- tors and firm- mem- bers
		Number	Payroll (\$1,000)		
58 Printing and publishing	28,978	715,120	2,276,262	4,248,773	32,531
59 Newspapers	8,340	234,375	743,854	1,405,709	8,646
60 Periodicals	2,166	68,957	235,706	638,384	2,045
61 Books	805	51,964	146,013	325,907	1,412
62 Miscellaneous publishing	611	12,036	35,200	72,151	946
63 Commercial printing	11,920	191,719	594,125	970,291	12,072
64 Lithographing	1,415	52,408	192,657	314,132	2,924
65 Greeting cards	162	18,053	43,898	81,051	294
66 Bookbinding and related industries	1,342	42,561	107,466	177,144	1,419
67 Printing trades services	2,217	43,047	177,343	264,004	2,772
68 Chemicals and products	10,019	626,418	1,888,472	5,317,001	11,075
69 Inorganic chemicals	408	62,448	194,784	425,184	3,523
70 Organic chemicals	563	203,914	648,046	1,536,066	772
71 Drugs and medicines	1,354	81,497	236,191	747,311	1,371
72 Soap and related products	1,391	44,864	149,497	606,801	1,543
73 Paints and allied products	1,457	68,933	228,559	583,557	1,671
74 Gum and wood chemicals	117	8,447	20,472	62,796	117
75 Fertilizers	705	31,972	71,700	186,926	840
76 Vegetable and animal oils	1,192	43,323	116,926	482,002	1,013
77 Chemical products, n. e. c.	2,832	81,020	232,207	686,358	3,230
78 Petroleum and coal products	1,411	207,618	725,983	1,990,944	1,381
79 Petroleum refining	437	145,806	555,781	1,494,474	409
80 Coke and byproducts	149	32,819	101,014	243,013	119
81 Paving and roofing materials	438	19,291	58,117	155,814	523
82 Petroleum and coal products, n. e. c.	387	9,702	31,071	97,643	330
83 Rubber products	872	258,237	781,378	1,299,491	1,406
84 Tires and inner tubes	57	115,657	390,841	650,165	49
85 Rubber footwear	26	28,125	72,666	121,040	22
86 Reclaimed rubber	15	2,070	6,849	9,604	20
87 Rubber industries, n. e. c.	774	112,385	311,022	518,682	1,315
88 Leather and leather products	5,308	383,264	873,746	1,533,028	4,845
89 Leather tanning and finishing	561	53,261	156,632	403,831	2,565
90 Industrial leather belting	183	5,032	13,441	28,375	579
91 Footwear cut stock	606	22,077	47,793	87,301	136
92 Footwear, except rubber	1,500	240,315	516,879	785,543	1,369
93 Leather gloves	341	11,577	20,798	32,088	369
94 Luggage	501	16,002	41,055	67,662	185
95 Purses and small leather goods	982	25,984	57,266	96,532	497
96 Miscellaneous leather goods	544	9,016	19,882	31,696	362
97 Stone, clay, and glass products	11,643	461,037	1,206,903	2,298,521	11,162
98 Flat glass	32	25,268	77,940	158,746	32
99 Pressed and blown glassware	213	89,302	230,287	421,518	372
100 Products of purchased glass	1,048	23,920	61,508	129,557	859
101 Cement, hydraulic	155	35,662	98,626	247,936	162
102 Structural clay products	1,109	69,258	169,153	280,320	1,053
103 Pottery and related products	742	58,006	146,062	224,792	867
104 Concrete and plaster products	6,404	70,176	169,559	346,761	5,410
105 Cut-stone and stone products	640	9,880	25,922	45,940	4,615
106 Nonmetallic mineral products, n. e. c.	1,210	79,565	226,946	442,651	977
107 Primary metal industries	5,364	1,158,158	3,601,791	5,733,028	5,838
108 Blast furnaces and steel mills	318	545,724	1,732,428	2,657,075	320
109 Iron and steel foundries	1,936	266,010	789,717	1,117,403	1,734
110 Primary nonferrous metals	89	43,117	127,705	284,695	646
111 Secondary nonferrous metals	321	18,089	55,897	119,158	104
112 Nonferrous rolling and drawing	162	88,824	264,117	503,363	147
113 Nonferrous foundries	1,725	66,798	203,314	300,628	281
114 Primary metal industries, n. e. c.	813	129,596	428,613	750,711	1,225

For footnotes, see pp. 790 and 791.

INDUSTRY GROUPS

789

FOR INDUSTRY GROUPS: 1947 AND 1954—Continued

1954—Continued								
All employees		Production workers			Value added by manufacture ¹ (\$1,000)	Capital expenditures, new ³ (\$1,000)	Primary product specialization ratio ⁴	Coverage ratio ⁵
Number	Payroll (\$1,000)	Number	Man-hours ² (1,000)	Wages (\$1,000)				
804,386	3,625,133	499,666	961,465	2,115,344	6,264,558	236,897	-----	58
281,799	1,262,793	148,941	281,198	667,058	2,144,223	75,536	.95	1.00
62,428	312,605	16,348	29,614	68,218	795,543	14,542	.95	.97
57,400	245,196	27,593	55,025	107,607	539,395	14,801	.89	.80
18,378	73,174	5,271	9,570	24,090	149,310	3,270	.85	.82
200,233	888,659	157,567	306,988	650,328	1,357,272	65,822	.85	.86
77,717	376,571	60,178	117,965	261,249	578,883	34,854	.82	.79
21,347	70,434	15,297	28,624	41,960	131,343	8,809	.93	.89
37,305	130,670	31,646	61,124	98,243	199,271	7,458	.89	.85
47,777	264,937	36,522	72,350	196,087	368,766	11,802	.96	.91
739,389	3,407,199	501,272	1,016,053	2,005,627	9,443,629	926,613	-----	68
121,252	593,576	77,544	158,415	346,270	1,386,544	219,273	.89	.83
245,465	1,193,196	176,220	351,388	769,231	3,214,454	430,665	.91	.90
92,062	426,430	57,927	117,075	216,008	1,336,562	55,761	.94	.94
46,221	219,412	27,571	51,973	107,627	827,668	27,648	.87	.64
69,973	324,005	43,673	87,408	167,344	849,895	30,092	.95	.73
7,245	26,680	6,052	12,764	19,872	62,053	7,742	.76	.98
31,769	111,528	24,595	53,102	76,914	252,422	46,587	.96	.74
39,964	182,708	31,008	71,890	105,291	385,475	41,442	(?)	.97
85,436	359,661	56,684	112,035	197,071	1,128,552	67,398	(?)	.76
215,843	1,101,814	163,811	322,947	778,408	2,582,613	753,184	-----	78
153,072	816,120	113,829	223,116	570,791	1,901,333	656,033	.99	.98
32,504	148,579	27,967	53,636	119,165	373,874	79,301	1.00	.80
20,097	88,146	15,768	33,638	63,872	199,584	13,155	.93	.95
10,169	48,967	6,246	12,556	25,079	107,818	4,694	.89	.22
246,526	1,089,337	196,238	377,414	775,499	1,903,702	128,431	-----	83
92,748	441,607	73,976	137,981	334,104	844,545	67,430	.88	.99
18,322	64,022	15,773	30,317	51,296	107,027	4,217	.84	.85
2,953	12,697	2,460	4,602	9,671	22,042	2,884	.87	.74
132,503	541,011	104,028	204,513	380,427	930,086	53,940	.88	.78
356,578	1,027,314	321,161	586,857	833,694	1,637,417	28,053	-----	88
43,468	108,139	38,662	75,680	137,487	264,264	7,123	.98	1.00
4,576	18,569	3,342	6,518	11,484	34,911	1,955	.97	.92
20,059	57,113	17,641	32,533	44,231	87,185	3,063	.97	.96
230,255	619,332	209,568	373,455	518,053	985,764	12,084	1.00	1.00
6,917	15,573	6,182	10,433	12,345	23,185	122	.88	.90
15,866	51,679	13,960	27,417	39,753	89,385	1,868	.94	.97
29,544	80,434	26,693	50,978	62,947	125,517	1,495	.96	.96
5,900	16,472	5,109	9,835	12,392	27,211	340	.92	.85
491,814	1,938,085	412,031	827,012	1,496,029	3,821,659	300,647	-----	97
24,559	132,509	21,389	44,344	114,966	252,313	30,964	(1)	98
91,334	354,568	79,082	154,346	287,883	674,382	37,417	.99	.99
21,614	87,520	18,203	36,377	68,285	192,644	5,500	.97	.75
39,769	167,650	34,036	70,839	134,777	528,920	73,015	.99	1.00
72,814	267,165	65,565	120,764	213,389	425,356	31,561	.97	.99
50,934	173,562	44,782	82,229	139,277	260,062	10,634	.98	.95
89,610	340,287	70,328	149,022	241,437	705,513	61,680	.96	.98
21,576	78,240	18,410	36,721	60,650	119,765	4,296	.93	.99
79,598	336,563	62,253	123,367	234,912	662,699	45,488	.94	.89
1,117,059	5,097,466	938,511	1,812,027	3,985,548	9,372,910	831,095	-----	107
530,051	2,469,967	449,800	843,684	1,969,629	4,755,233	523,543	.96	.92
212,305	895,728	184,149	354,224	716,414	1,339,270	76,332	.94	.90
54,497	244,634	44,884	90,386	191,756	614,159	58,107	.91	.94
15,775	71,707	12,204	25,121	46,711	142,329	9,553	.93	.64
89,090	410,320	71,527	144,596	305,336	860,228	63,188	.96	.92
73,487	327,906	61,573	124,041	251,374	476,969	24,779	.90	.92
141,790	677,201	114,370	229,972	504,324	1,184,721	75,590	.94	.35

No. 1015.—MANUFACTURES—GENERAL STATISTICS

INDUSTRY GROUP	1947			1954	
	Establishments, number	All employees		Value added by manu- facture ¹ (\$1,000)	Establish- ments, num- ber
		Number	Payroll (\$1,000)		
Fabricated metal products.	16,777	973,174	2,833,684	4,920,304	22,516
Tin cans and other tinware	215	46,760	126,941	231,503	227
Cutlery, tools, and hardware	1,866	154,507	433,483	729,209	1,930
Heating and plumbing equipment	1,277	151,565	441,192	792,756	1,220
Structural metal products	4,547	213,020	657,709	1,141,417	7,421
Metal stamping and coating	4,440	184,020	524,760	866,562	5,553
Lighting fixtures	1,202	46,891	131,279	239,191	1,228
Fabricated wire products	978	60,344	170,631	281,499	1,352
Metal products, n. e. c.	2,252	116,067	347,509	638,167	3,585
Machinery, except electrical.	17,910	1,552,135	4,839,125	7,833,970	25,601
Engines and turbines	149	87,688	280,424	384,995	141
Tractors and farm machinery	1,102	171,461	494,724	753,913	1,360
Construction and mining machinery	747	113,871	355,367	641,397	971
Metalworking machinery	4,296	220,902	754,164	1,148,035	6,539
Special-industry machinery, n. e. c.	3,067	207,321	652,083	1,053,544	2,900
General industrial machinery	2,193	218,983	696,072	1,199,366	2,604
Office and store machines	356	97,824	304,060	501,289	400
Service and household machines	1,087	219,566	658,058	1,095,745	1,137
Miscellaneous machinery parts	4,913	214,519	634,273	1,055,686	9,340
Electrical machinery.	3,970	796,357	2,258,657	3,860,235	5,758
Electrical industrial apparatus	1,562	315,466	924,936	1,578,955	2,030
Electrical appliances	324	44,105	124,275	235,352	365
Insulated wire and cable	133	20,259	55,839	99,661	136
Engine electrical equipment	112	44,450	126,737	198,656	160
Electric lamps (bulbs)	62	23,842	57,914	120,344	66
Communication equipment	1,210	303,391	847,247	1,374,117	2,268
Electrical products, n. e. c.	567	44,844	121,709	253,150	724
Transportation equipment.	3,703	1,174,498	3,694,932	5,841,722	5,348
Motor vehicles and equipment	1,894	693,763	2,182,323	3,790,866	2,195
Aircraft and parts	332	219,611	703,702	954,575	1,088
Ships and boats	1,110	149,655	467,585	586,558	1,509
Railroad equipment	123	91,270	284,003	416,222	86
Motorcycles and bicycles	76	15,615	45,661	72,838	46
Transportation equipment, n. e. c.	168	4,584	11,658	20,663	108
Instruments and related products.	2,605	244,872	706,055	1,140,499	3,142
Scientific instruments	215	18,419	56,015	75,922	370
Mechanical measuring instruments	466	60,481	173,888	281,482	614
Optical instruments and lenses	115	8,478	24,737	34,090	205
Medical equipment and supplies	980	39,127	111,019	188,838	1,057
Ophthalmic goods	184	22,562	57,112	87,205	238
Photographic equipment	369	55,624	172,973	278,502	449
Watches and clocks	276	40,181	110,311	194,460	209
Miscellaneous manufactures¹².	14,148	463,390	1,205,212	2,066,259	17,010
Jewelry and silverware	2,032	55,169	168,485	304,363	2,101
Musical instruments and parts	260	16,889	46,808	71,356	242
Toys and sporting goods	2,197	75,476	173,811	294,644	2,461
Office supplies	786	31,429	81,657	162,599	832
Costume jewelry and notions	2,035	66,024	153,803	263,024	2,364
Plastics products, n. e. c.	1,362	58,400	156,369	258,917	2,439
Miscellaneous manufactures ¹²	5,476	160,003	424,270	711,356	6,571
Administrative and auxiliary¹³.	(?)	(?)	(?)	(?)	4,187

¹ Value of shipments less cost of materials, supplies, fuels, electric energy, and contract work.² Excludes hours paid for vacations, holidays, or sick leave. Includes actual overtime hours, not straight-time equivalent hours.³ Comprises, for plants in operation during 1954, expenditures for new structures and additions and new machinery and equipment. Excludes expenditures for "used" plant and equipment acquired from others and for land. In addition, approximately \$400 million was spent by manufacturing firms in 1954 for plants under construction.⁴ See footnote 2, table 1017.⁵ See footnote 3, table 1017.
⁶ 1954 figures include data for establishments engaged in the processing and distribution of fluid milk; excluded for 1947.⁷ Not available. ⁸ Less than \$500,000.

INDUSTRY GROUPS

791

FOR INDUSTRY GROUPS: 1947 AND 1954—Continued

1954—Continued

All employees		Production workers			Value added by manufacture ¹ (\$1,000)	Capital expenditures, new ³ (\$1,000)	Primary product specialization ratio ⁴	Coverage ratio ⁵
Number	Payroll (\$1,000)	Number	Man-hours ² (1,000)	Wages (\$1,000)				
1,019,406	4,397,337	821,172	1,652,366	3,174,186	7,596,275	432,491	.99	115
55,234	245,134	48,008	97,574	202,112	482,297	50,093	.98	116
143,676	599,952	117,796	235,874	444,178	1,044,425	60,796	.87	117
105,888	451,342	82,806	162,408	316,577	828,467	35,949	.85	118
284,121	1,280,903	216,909	440,025	873,919	2,203,635	102,197	.92	119
183,844	777,393	184,010	309,364	579,935	1,245,074	55,562	.85	120
45,078	181,951	36,361	73,680	128,759	322,711	14,217	.90	121
62,630	254,324	52,391	104,105	189,385	430,815	18,112	.89	122
138,930	606,334	112,888	229,264	439,318	1,037,849	95,561	.91	123
1,541,675	7,190,563	1,171,323	2,369,610	4,979,972	12,338,928	713,808	-----	124
81,955	399,986	60,656	121,960	278,347	690,131	40,052	.88	125
139,118	602,151	105,514	205,067	423,692	1,050,370	76,176	.87	126
109,385	509,501	79,706	180,371	327,957	901,408	43,481	.87	127
282,724	1,396,917	206,327	442,373	1,018,262	2,350,111	141,823	.92	128
165,746	754,538	122,581	248,598	498,197	2,114,836	45,722	.87	129
223,917	1,046,942	156,896	317,117	652,776	1,859,054	81,903	.85	130
101,294	455,643	81,631	160,582	336,831	773,881	42,067	.80	131
196,534	875,046	148,983	294,009	600,548	1,589,044	138,546	.85	132
260,998	1,149,836	209,026	419,529	843,358	1,910,083	104,033	.90	133
959,126	3,950,994	722,443	1,422,339	2,645,588	7,403,134	340,677	-----	134
340,000	1,494,109	250,072	493,743	984,284	2,795,415	136,044	.91	135
45,582	201,827	38,661	75,562	145,587	424,031	20,786	.76	136
14,410	59,011	11,579	26,672	42,142	110,317	7,961	.96	137
46,349	200,279	37,219	74,147	146,769	339,251	18,172	.85	138
21,963	78,921	19,172	36,750	63,206	218,137	8,288	.94	139
445,817	1,752,211	333,364	653,130	1,152,459	3,214,097	132,581	.93	140
42,004	184,634	32,373	62,332	111,130	301,883	16,844	.95	141
1,704,572	8,285,773	1,327,078	2,714,603	6,003,250	13,925,983	924,646	-----	142
695,475	3,407,657	583,048	1,201,354	2,710,237	6,406,642	730,837	.96	143
822,470	4,048,811	585,989	1,206,320	2,625,302	6,287,620	142,206	.96	144
126,352	562,070	110,905	216,612	468,903	776,415	24,120	.94	145
51,575	243,536	39,797	76,408	173,032	403,547	25,445	.83	146
7,061	28,060	5,979	11,121	21,639	41,819	1,476	.86	147
1,636	5,637	1,359	2,786	4,135	9,938	561	.92	148
272,586	1,200,322	195,597	391,403	759,459	2,128,706	94,008	-----	149
45,315	217,831	30,787	64,264	134,801	356,713	8,615	.77	150
69,422	302,624	48,229	97,903	189,887	542,602	21,487	.87	151
12,658	58,178	9,447	18,555	38,251	86,380	4,555	.82	152
38,122	149,465	27,112	53,915	90,264	272,020	12,401	.88	153
18,464	64,536	15,355	29,960	48,332	110,452	5,042	.83	154
59,099	288,497	41,063	81,066	177,117	561,238	37,924	.90	155
29,504	119,189	23,590	45,738	80,804	199,300	3,981	.82	156
695,917	2,658,182	555,746	1,089,229	1,861,873	4,473,050	176,036	-----	157
47,930	182,808	38,952	77,435	129,740	297,580	7,339	.93	158
15,407	61,219	13,230	26,329	48,242	93,072	1,922	.96	159
88,559	266,135	76,476	142,087	199,327	460,413	17,599	.93	160
28,218	109,046	20,662	41,874	64,550	195,080	7,399	(?)	161
66,675	200,398	57,282	108,747	146,050	316,497	10,165	.91	162
91,967	350,227	75,689	152,179	248,975	589,254	45,290	.90	163
357,153	1,488,343	273,449	540,574	1,024,984	2,512,162	86,319	-----	164
474,256	2,983,346	-----	-----	-----	-----	-----	-----	165

⁹ 1954 figures include data for logging camps and contractors; excluded for 1947.¹⁰ For further qualifications of this ratio, see Appendix A of source.¹¹ Withheld to avoid disclosing figures for individual companies.¹² Includes privately owned and/or operated establishments classified in "Ordnance and accessories."¹³ Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained in 1954 from such units if at a different location or if they serviced more than one establishment.Source: Department of Commerce, Bureau of the Census; *Census of Manufactures, 1947*, Vol. II, and *U. S. Census of Manufactures, 1954*, Vol. II.

No. 1016.—MANUFACTURES—GENERAL

DIVISION AND STATE	1954						
	Establishments, number				All employees ¹		
	Total	1 to 49 employees	50 to 99 employees	100 to 249 employees	250 employees and over	Number	Payroll (\$1,000)
United States.....	286,817	239,142	21,091	15,647	10,937	16,125,550	65,976,667
New England.....	24,625	20,000	1,914	1,544	1,167	1,450,025	5,460,694
Maine.....	3,015	2,678	131	102	104	104,507	325,048
New Hampshire.....	1,609	1,307	117	105	80	77,332	246,719
Vermont.....	1,071	925	72	55	19	36,112	123,577
Massachusetts.....	11,205	8,907	959	788	551	686,997	2,582,486
Rhode Island.....	2,633	2,163	213	148	111	125,041	431,889
Connecticut.....	5,090	4,020	422	346	302	420,034	1,750,972
Middle Atlantic.....	82,380	69,180	6,481	4,152	2,573	4,291,292	17,873,037
New York.....	50,402	44,136	3,497	1,789	980	2,008,072	8,472,625
New Jersey.....	13,183	10,750	1,070	818	545	810,525	3,489,145
Pennsylvania.....	18,795	14,294	1,914	1,545	1,042	1,472,695	5,011,267
East North Central.....	58,946	47,150	4,771	3,869	3,156	4,604,516	20,925,690
Ohio.....	14,550	11,317	1,201	1,086	946	1,296,319	5,841,664
Indiana.....	6,355	4,973	523	456	403	587,782	2,532,422
Illinois.....	17,628	14,005	1,532	1,203	888	1,224,634	5,430,192
Michigan.....	12,711	10,482	968	684	577	1,056,564	5,252,352
Wisconsin.....	7,702	6,373	547	440	342	439,215	1,869,059
West North Central.....	19,020	16,095	1,335	982	608	963,778	3,863,288
Minnesota.....	5,027	4,379	316	212	120	208,506	865,254
Iowa.....	3,320	2,835	211	180	94	163,954	649,147
Missouri.....	6,198	4,982	512	405	299	382,430	1,500,348
North Dakota.....	367	344	16	6	1	5,613	19,228
South Dakota.....	546	505	25	14	2	11,550	41,173
Nebraska.....	1,423	1,217	107	58	41	60,290	227,651
Kansas.....	2,139	1,833	148	107	51	131,432	560,483
South Atlantic.....	30,530	25,149	2,143	1,839	1,399	1,778,959	5,702,560
Delaware.....	556	431	41	52	32	54,580	267,354
Maryland.....	3,253	2,574	277	253	149	255,452	1,002,067
Dist. of Columbia.....	484	413	27	25	19	21,723	97,011
Virginia.....	4,398	3,665	295	264	174	242,864	777,020
West Virginia.....	2,027	1,709	125	98	95	122,390	494,893
North Carolina.....	6,645	5,200	541	505	399	434,934	1,185,629
South Carolina.....	2,720	2,192	164	157	207	219,826	634,743
Georgia.....	5,655	4,663	410	333	249	303,278	854,522
Florida.....	4,792	4,302	263	152	75	123,958	389,318
East South Central.....	12,854	10,515	900	832	607	729,948	2,366,908
Kentucky.....	2,651	2,180	170	174	127	151,113	553,203
Tennessee.....	4,058	3,215	305	314	224	267,496	882,644
Alabama.....	3,893	3,244	242	224	183	220,077	690,015
Mississippi.....	2,252	1,876	183	120	73	91,261	241,046
West South Central.....	16,469	14,017	1,130	811	511	734,003	2,793,741
Arkansas.....	2,428	2,104	152	106	66	79,196	222,293
Louisiana.....	3,020	2,504	236	170	110	146,330	538,069
Oklahoma.....	2,131	1,870	125	88	53	89,257	363,627
Texas.....	8,890	7,539	617	452	282	419,218	1,668,851
Mountain.....	6,685	6,016	329	233	107	190,674	766,726
Montana.....	868	805	27	24	12	18,519	72,090
Idaho.....	981	888	45	31	17	23,895	90,742
Wyoming.....	328	308	8	8	4	6,261	26,890
Colorado.....	2,069	1,845	107	87	30	65,002	257,286
New Mexico.....	593	549	29	11	4	15,061	62,718
Arizona.....	817	742	35	23	17	26,269	111,072
Utah.....	852	724	68	43	17	29,947	120,623
Nevada.....	177	155	10	6	6	5,717	25,301
Pacific.....	35,308	31,038	2,085	1,379	806	1,382,265	6,223,711
Washington.....	4,929	4,340	283	185	116	194,171	854,686
Oregon.....	5,870	5,293	299	185	93	135,309	566,671
California.....	24,509	21,405	1,498	1,009	597	1,052,785	4,802,353

¹ 1954 data include administrative offices and auxiliary units; excluded for 1947. Comparable data not available.² See footnote 2, table 1015.

MANUFACTURES, BY STATES

793

STATISTICS, BY STATES: 1947 AND 1954

1954—Continued					1947			
Production workers			Value added by manufacture ³ (\$1,000)	Capital expenditures ⁴ (\$1,000)	Establishments (number)	All employees ¹		Value added by manufacture ³ (\$1,000)
Number	Man-hours ² (1,000)	Wages (\$1,000)				Number	Payroll (\$1,000)	
12,373,030	24,341,239	44,555,457	116,912,526	7,818,155	240,807	14,293,963	39,695,558	74,290,475
1,154,083	2,275,672	3,858,699	9,128,281	424,264	20,256	1,475,162	3,940,122	6,798,114
91,092	180,691	260,047	555,260	58,935	1,633	100,118	233,861	420,640
65,987	128,465	190,760	408,826	18,492	1,124	74,752	177,479	306,932
29,929	59,328	92,962	222,965	8,876	831	34,886	83,050	149,715
536,456	1,047,412	1,769,102	4,356,462	180,698	10,509	718,069	1,920,718	3,356,311
103,800	207,766	314,467	697,279	27,671	2,213	147,382	375,876	658,905
326,815	652,008	1,231,350	2,877,486	129,591	3,946	309,955	1,149,348	1,890,711
3,212,476	6,217,339	11,524,926	30,402,190	1,551,089	75,341	3,953,870	11,419,701	20,767,991
1,470,137	2,842,598	5,231,858	14,140,524	572,125	47,752	1,773,138	5,277,656	9,655,859
605,099	1,187,747	2,280,134	6,331,173	359,816	10,765	739,035	2,216,874	4,186,077
1,137,241	2,186,993	4,012,932	9,930,486	619,147	16,704	1,441,697	3,025,171	6,926,055
3,489,654	6,964,115	14,265,381	36,500,510	2,653,891	50,569	4,322,812	13,019,237	23,474,185
986,282	1,947,963	4,018,755	10,165,111	760,932	12,302	1,194,263	3,559,540	6,357,957
457,965	902,354	1,796,754	4,625,477	301,247	5,403	1,582,237	2,969,961	
903,784	1,789,154	3,520,339	9,668,752	551,882	15,903	1,186,134	3,589,364	6,683,083
809,316	1,655,338	3,600,965	8,707,194	870,465	9,891	975,481	3,097,336	5,200,135
332,305	669,304	1,268,569	3,333,976	169,363	6,980	418,674	1,190,700	2,263,047
713,222	1,426,488	2,573,277	7,113,835	389,113	17,389	786,147	2,069,657	4,115,706
151,132	305,345	560,492	1,594,505	82,188	4,568	181,514	508,352	1,021,274
122,763	248,683	443,615	1,255,965	73,410	2,963	140,397	372,285	671,008
285,378	552,691	977,327	2,727,266	124,394	5,721	327,114	826,179	1,620,887
3,913	8,323	12,517	34,991	16,244	361	5,209	12,321	29,431
8,414	17,990	27,977	77,692	3,444	494	10,265	25,796	51,398
43,431	90,351	150,728	394,222	36,414	1,341	47,014	119,884	260,598
98,187	203,102	400,619	1,049,191	53,017	1,946	74,634	204,840	461,110
1,466,333	2,847,757	4,072,169	10,657,729	789,254	24,000	1,523,890	3,371,438	6,941,906
30,988	60,451	104,882	353,088	23,375	483	34,738	92,888	183,073
195,916	384,180	675,056	1,888,585	93,839	2,826	228,655	612,296	1,139,240
11,821	22,390	44,743	157,213	6,536	428	17,815	55,872	99,067
202,654	394,735	576,844	1,629,041	109,887	3,643	216,507	483,575	1,050,623
97,322	185,651	354,666	988,274	98,883	1,602	127,354	337,869	663,903
380,089	719,429	915,683	2,210,463	128,622	5,321	381,438	758,757	1,646,030
190,119	378,931	486,960	1,040,936	50,629	2,135	188,760	377,105	793,915
260,082	503,497	642,582	1,592,411	162,849	4,755	249,058	484,289	1,016,079
97,338	198,459	270,749	797,721	104,631	2,807	78,665	168,817	349,976
601,493	1,166,807	1,713,827	4,701,863	395,995	10,911	635,445	1,363,617	2,884,391
119,218	223,719	338,945	1,236,260	124,037	2,245	129,553	304,782	743,322
214,027	418,378	612,461	1,673,786	152,700	3,345	222,300	474,978	961,355
188,414	357,780	528,618	1,319,192	82,248	3,336	206,239	444,887	877,416
79,834	156,930	188,803	467,625	37,008	1,985	77,353	138,970	302,268
556,370	1,128,594	1,868,084	5,721,035	721,066	13,183	550,760	1,334,116	3,030,203
67,481	134,479	171,109	457,047	42,715	1,926	65,802	125,200	267,516
114,378	232,019	375,713	1,181,649	174,396	2,388	132,463	309,869	694,062
60,572	122,530	212,183	580,633	51,740	1,740	55,441	143,634	341,149
313,938	659,565	1,109,061	3,501,706	452,214	7,129	297,054	755,413	1,727,476
144,101	286,848	532,152	1,505,145	126,844	5,044	140,477	375,900	783,771
14,677	27,762	64,098	141,234	20,574	650	18,838	42,770	90,845
20,266	39,442	72,159	182,276	20,627	664	16,907	45,748	109,694
4,587	9,160	18,777	51,361	6,899	256	5,607	16,696	34,957
47,941	95,782	172,995	472,433	30,121	1,602	54,071	144,207	286,774
9,330	18,518	32,635	126,326	6,585	431	6,696	14,964	32,136
20,267	42,319	80,563	192,497	13,800	544	14,188	39,333	83,829
22,553	44,790	82,442	276,343	28,385	771	24,503	63,773	128,250
4,426	9,074	18,480	62,672	4,850	126	2,667	8,409	17,286
1,035,020	2,027,074	4,186,203	11,183,970	764,743	24,132	913,715	2,820,152	5,544,019
148,759	280,777	594,668	1,549,060	147,130	3,409	144,252	437,802	874,021
114,464	214,740	447,741	1,037,456	67,811	3,075	105,591	317,827	675,017
771,796	1,531,557	3,143,793	8,597,453	549,801	17,648	663,872	2,064,523	3,994,981

³ See footnote 1, table 1015.⁴ See footnote 3, table 1015.

No. 1017.—PERCENT OF TOTAL SHIPMENTS MADE BY LARGE MANUFACTURING COMPANIES IN SELECTED INDUSTRIES: 1947 AND 1954

[First 45 industries as determined by value of shipments in 1954. A "company" comprises all manufacturing establishments owned by the company plus those of subsidiaries or affiliates over which the company has acknowledged control. Percents were computed by adding together all establishments classified in the specified industry under common ownership; selecting the largest 4, largest 8, and largest 20 companies in each industry on basis of value of shipments of all products made by these establishments; and using these values of shipments of the companies as numerator, and total value of shipments of the industry as denominator. Top 4, 8, and 20 companies not necessarily identical for each year. Value of shipments includes transfers of products between manufacturing establishments of same company (interplant transfers). "N. e. c." means not elsewhere classified. Industries and code numbers listed are as defined in Bureau of the Budget, *Standard Industrial Classification Manual*, as amended]

Industry code	INDUSTRY AND CENSUS YEAR	Number of companies	Value of shipments ¹ (\$1,000)	PERCENT OF TOTAL VALUE OF SHIPMENTS ACCOUNTED FOR BY—			Primary product specialization ratio ²	Coverage ratio ³
				4 largest companies	8 largest companies	20 largest companies		
3717	Motor vehicles and parts.....	779	4,3, 544, 924	4 55	4 64	4 78	(5)	(5)
	1954.....	991	4 6, 111, 479	4 75	4 80	4 87	(5)	(5)
2911	Petroleum refining.....	277	6, 623, 708	37	59	83	.99	.97
	1954.....	253	11, 757, 218	33	55	84	.99	.98
3312	Steel works and rolling mills.....	111	4 2, 275, 697	4 45	4 63	4 81	(5)	(5)
	1954.....	102	4 4, 200, 264	4 54	4 70	4 85	(5)	(5)
2011	Meat packing plants.....	1, 999	4 977, 144	4 41	4 54	4 63	.96	.99
	1954.....	2, 228	4 1, 394, 486	4 39	4 51	4 60	.98	.87
3721	Aircraft.....	47	4 605, 983	4 53	4 75	4 97	(7)	(7)
	1954.....	46	4 3, 348, 876	4 47	4 76	4 96	.89	.99
3661	Radios and related products.....	709	4 773, 233	4 26	4 35	4 54	(5)	(5)
	1954.....	1, 612	4 2, 130, 207	4 24	4 35	4 53	(5)	(5)
2027	Fluid milk and other products ⁸	4, 572	4, 233, 983	23	29	36	.82	.94
2612	Paper and paperboard mills.....	391	2, 589, 114	(9)	(9)	(9)	(9)	(9)
	1954.....	391	3, 792, 810	19	31	48	.99	1.00
2060	Food preparations, n. e. c. ¹⁰	2, 357	3, 255, 967	33	42	55	.94	.86
	1954.....	2, 357	3, 255, 967	33	42	55	.94	.86
2421	Sawmills and planing mills.....	19, 223	2, 519, 453	5	7	11	(7)	(7)
	1954.....	16, 694	3, 247, 200	7	11	18	.97	.81
3722	Aircraft engines.....	54	464, 623	72	88	98	.90	.95
	1954.....	202	3, 188, 950	62	81	93	.93	.91
2711	Newspapers.....	8, 115	1, 891, 252	21	26	36	.94	1.00
	1954.....	8, 445	3, 091, 027	18	24	34	.95	1.00
2051	Bread and related products ¹²	5, 985	2, 403, 689	16	26	36	.98	.99
	1954.....	5, 470	3, 067, 017	20	31	40	.98	.99
2233	Cotton broad-woven fabrics.....	(11)	2, 912, 651	(11)	(11)	(11)	(7)	(7)
	1954.....	413	2, 789, 621	18	29	49	.94	.84
3311	Blast furnaces.....	33	1, 713, 945	67	82	96	1.00	1.00
	1954.....	34	2, 753, 998	65	82	96	.98	1.00
2042	Prepared animal feeds.....	2, 372	2, 112, 241	19	27	40	.95	.89
	1954.....	2, 037	2, 702, 267	21	29	43	.95	.90
3720	Aircraft equipment, n. e. c.....	201	105, 327	37	58	75	.82	.38
	1954.....	1, 054	2, 342, 536	20	32	52	.86	.66
3585	Refrigeration machinery.....	542	4, 587, 928	4 39	4 55	4 72	(5)	(5)
	1954.....	561	4 1, 006, 193	4 36	4 51	4 69	(5)	(5)
2033	Canned fruits and vegetables.....	1, 856	1, 640, 754	27	35	46	.91	.94
	1954.....	1, 461	2, 228, 947	28	39	52	.90	.94
2751	Commercial printing.....	11, 810	1, 513, 136	9	13	20	.86	.86
	1954.....	11, 970	2, 202, 074	10	16	24	.85	.86
2829	Organic chemicals, n. e. c.....	(18)	973, 044	(18)	(18)	(18)	(18)	(18)
	1954.....	202	1, 198, 687	59	73	87	.77	.80
2871	Paperboard boxes.....	1, 323	1, 474, 743	18	27	41	.97	.98
	1954.....	1, 433	2, 179, 580	16	26	41	.96	.98
2819	Inorganic chemicals, n. e. c. ¹⁴	(18)	562, 426	(18)	(18)	(18)	(18)	(18)
	1954.....	294	1, 859, 372	36	51	74	.87	.78
2041	Flour and meal.....	1, 084	2, 526, 646	29	41	57	.92	.92
	1954.....	692	1, 858, 888	40	52	68	.94	.84
2082	Beer and ale.....	404	1, 316, 085	21	30	44	1.00	.99
	1954.....	263	1, 857, 053	27	41	60	1.00	1.00
3011	Tires and inner tubes.....	35	1, 547, 040	77	90	99	.90	.95
	1954.....	27	1, 841, 732	79	91	99+	.88	.99
3441	Structural and ornamental work.....	1, 600	855, 101	23	27	37	.86	.88
	1954.....	2, 829	1, 809, 971	18	23	31	.89	.88
3141	Footwear, except rubber.....	1, 077	1, 726, 609	28	35	45	.99	1.00
	1954.....	970	1, 790, 717	30	36	45	.99	.99
3463	Metal stampings.....	1, 954	1, 177, 396	17	25	37	.86	.81
	1954.....	2, 215	1, 727, 544	14	21	33	.82	.83
3099	Rubber industries, n. e. c.....	733	945, 257	30	38	53	.85	.81
	1954.....	1, 152	1, 677, 072	28	37	50	.88	.78

See footnotes at end of table.

No. 1017.—PERCENT OF TOTAL SHIPMENTS MADE BY LARGE MANUFACTURING COMPANIES IN SELECTED INDUSTRIES: 1947 AND 1954—Continued

Industry code	INDUSTRY AND CENSUS YEAR	Number of companies	Value of shipments ¹ (\$1,000)	PERCENT OF TOTAL VALUE OF SHIPMENTS ACCOUNTED FOR BY—			Primary product specialization ratio ²	Coverage ratio ³
				4 largest companies	8 largest companies	20 largest companies		
2834	Pharmaceutical preparations	1947	1,123	941,290	28	44	.64	.91
		1954	1,128	1,643,140	25	44	.68	.91
2111	Cigarettes	1947	19	1,131,891	90	99+	100	.96
		1954	12	1,640,950	82	99+	100	1.00
2611	Pulp mills	1947	132	939,604	28	39	.59	.99
		1954	141	1,577,291	29	42	.61	1.00
2851	Paints and varnishes	1947	1,154	1,248,841	27	36	.48	.94
		1954	1,337	1,494,399	27	37	.50	.95
2333	Dresses, unit price	1947	4,165	1,359,030	3	5	.9	.95
		1954	4,072	1,455,080	4	7	12	.95
2721	Periodicals	1947	2,106	1,059,566	34	43	.58	.94
		1954	2,012	1,440,961	29	40	.54	.95
2699	Paper and board products, n. e. c.	1947	676	786,917	15	25	.43	.86
		1954	770	1,427,622	25	39	.58	.89
3321	Gray-iron foundries ¹⁰	1947	1,554	1,173,039	16	24	.35	.92
		1954	1,321	1,418,947	26	34	.46	.87
2013	Prepared meats ¹¹	1947	(11)	4 234,758	(11)	(11)	(11)	(11)
		1954	1,254	4 330,312	416	424	425	83
3614	Motors and generators	1947	224	995,640	59	66	.80	.81
		1954	266	1,389,078	50	59	75	.82
3411	Tin cans and other tinware	1947	102	678,924	78	86	.94	.97
		1954	109	1,366,766	80	88	.96	.99
3351	Copper rolling and drawing	1947	56	1,064,033	60	77	.92	.92
		1954	64	1,320,608	53	71	.90	.90
3392	Wire drawing	1947	103	912,891	45	62	.82	.96
		1954	150	1,266,436	36	54	.74	.95
2337	Women's suits, coats, and skirts ¹²	1947	3,178	1,261,320	3	6	.11	.94
		1954	330	478,993	32	40	.58	.88
2015	Poultry dressing plants	1947	1,189	1,257,892	17	23	.33	.96
		1954						.97

¹ Comprises for all manufacturing establishments classified in an industry (a) value of products "primary" to the industry, (b) value of "secondary" products, which are primary to other industries, and (c) "miscellaneous receipts" such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc. Excludes sales of products bought and resold in same condition. 1947 figures for some industries reflect minor revisions.

² Measures extent to which establishments classified in an industry "specialize" in making products regarded as primary to the industry. That is, value of shipments of *primary* products of establishments in the industry is expressed as a ratio of total shipments of *all* products made by these establishments (excluding "miscellaneous receipts," such as those for contract and commission work on materials owned by others, scrap and salable refuse, repair, etc.). 1947 ratios for some industries reflect minor revisions.

³ Measures extent to which all shipments of primary products of an industry are made by plants classified in the industry, as distinguished from secondary producers elsewhere. That is, value of shipments of *primary* products made by plants classified in the industry is expressed as a ratio of total shipments of *primary* products made by all producers, both in and out of the specified industry. 1947 ratios for some industries reflect minor revisions.

⁴ Value added by manufacture used as basis for making calculations because of large amount of duplication resulting from use of products of some establishments in the industry as materials by other establishments in the same industry.

⁵ Not shown because total value of primary products shipped includes large amount of duplication.

⁶ Based on combined figures for Industry 2011, Meat Packing Plants, and Industry 2013, Prepared Meats.

⁷ Not available. ⁸ Excluded from 1947 Census.

⁹ Comparable data not available. In 1947, Industry 2613, Building Paper and Board Mills, combined with Industry 2612, Paper and Board Mills.

¹⁰ Includes Vinegar and Cider Mills, and Liquid, Frozen, and Dried Eggs processors, for which figures were published separately in 1947.

¹¹ Comparable data not available due to significant revisions in 1947 classification of plants or products.

¹² For 1947, includes multi-unit bakeries producing baked goods at each location for sale through a retail outlet at the same location; excluded for 1954.

¹³ Comparable data not available. In 1947, Industry 2829, Organic Chemicals, n. e. c., included Industry 2822, Intermediate Coal-Tar Products.

¹⁴ Includes Government-owned privately operated plants.

¹⁵ In 1947, Industry 2811, Sulfuric Acid, combined with Industry 2819, Inorganic Chemicals, n. e. c.; separate figures tabulated for 1954. Specialization ratio and coverage ratio for combined industries for 1947 were .87 and .80, respectively.

¹⁶ Industry 3321, Gray-Iron Foundries, includes in addition to commercial (jobbing) foundries, "captive" foundries at separate locations producing gray-iron castings for other plants of the same company. Accordingly, the ratios do not reflect market shares in the commercial foundry industry.

¹⁷ Includes data for Industry 2014, Sausage Casings.

¹⁸ Includes data for Industry 2335, Women's Suits and Coats, and Industry 2336, Women's Skirts; shown separately in 1947 and therefore comparable data not available.

Source: Department of Commerce, Bureau of the Census; *The Proportion of the Shipments (or Employees) of Each Industry or the Shipments of Each Group of Products Accounted for by the Largest Companies as Reported in the 1954 Census of Manufactures*.

No. 1018.—PERCENT OF TOTAL EMPLOYMENT BY LARGE MANUFACTURING COMPANIES IN SELECTED INDUSTRIES: 1951 AND 1954

[First 30 industries as determined by 1954 employment. See headnote, table 1017. 1951 figures based on sample survey and not shown when estimate did not meet publication standards]

In- du- stry code	INDUSTRY AND YEAR	Num- ber of com- panies	Employ- ment ¹ (1,000)	PERCENT OF TOTAL EM- PLOYMENT ACCOUNTED FOR BY—			Primary product speciali- zation ratio ²	Cover- age ratio ³
				4 largest com- panies	8 largest com- panies	20 largest com- panies		
3717	Motor vehicles and parts.....	1951	(4)	721	58	66	(4)	(4)
		1954	991	649	69	75	84	(5)
3312	Steel works and rolling mills.....	1951	(4)	540	54	68	(4)	(4)
		1954	102	482	53	69	85	(5)
3721	Aircraft.....	1951	(4)	312	52	73	(4)	(4)
		1954	46	458	50	74	96	(4)
2421	Sawmills and planing mills.....	1951	(4)	424	4	(4)	(4)	(4)
		1954	16,504	321	5	7	12	.97
2233	Cotton broad-woven fabrics.....	1951	(4)	340	15	24	(4)	(4)
		1954	413	296	18	28	47	.94
3661	Radios and related products.....	1951	(4)	217	20	30	(4)	(4)
		1954	1,612	294	20	29	48	(5)
2711	Newspapers.....	1951	(4)	274	15	20	(4)	(4)
		1954	8,445	282	14	19	27	.95
2051	Bread and related products.....	1951	(4)	258	16	24	(4)	(4)
		1954	5,470	246	18	28	37	.98
2011	Meat packing plants.....	1951	(4)	214	46	57	(4)	(4)
		1954	2,228	220	44	56	65	.98
3141	Footwear, except rubber.....	1951	(4)	215	23	29	(4)	(4)
		1954	970	219	26	32	40	.99
2751	Commercial printing.....	1951	(4)	203	10	15	(4)	(4)
		1954	11,970	200	10	14	21	.85
3729	Aircraft equipment, n. e. c.....	1951	(4)	59	20	34	(4)	(4)
		1954	1,054	181	21	31	50	.86
2027	Fluid milk and other products ⁶	1954	4,572	177	21	25	31	.82
3722	Aircraft engines.....	1951	(4)	107	55	81	(4)	(4)
		1954	202	167	51	75	88	.93
2911	Petroleum refining ⁶	1954	253	153	39	61	84	.91
2333	Dresses, unit price ⁶	1954	4,072	143	2	3	6	.98
2612	Paper and paperboard mills.....	1951	(4)	153	14	22	(4)	(4)
		1954	391	142	18	27	42	.99
3321	Gray-iron foundries ⁷	1951	(4)	165	16	21	(4)	(4)
		1954	1,321	134	19	25	35	.94
2671	Paperboard boxes.....	1951	(4)	123	12	20	(4)	(4)
		1954	1,433	133	13	20	33	.96
3099	Rubber industries, n. e. c.....	1951	(4)	134	31	40	(4)	(4)
		1954	1,152	133	25	34	48	.78
3585	Refrigeration machinery.....	1951	(4)	117	38	55	(4)	(4)
		1954	561	128	33	47	65	(5)
3463	Metal stampings ⁶	1954	2,215	128	12	18	28	.82
2511	Wood furniture, not upholstered.....	1951	(4)	136	7	11	(4)	(4)
		1954	2,731	125	7	12	20	.94
2033	Canned fruits and vegetables.....	1951	(4)	141	19	28	(4)	(4)
		1954	1,461	120	20	29	39	.90
2311	Men's and boys' suits and coats.....	1951	(4)	136	10	17	(4)	(4)
		1954	1,255	119	11	18	31	.91
3441	Structural and ornamental work.....	1951	(4)	94	19	24	(4)	(4)
		1954	2,820	116	16	20	27	.89
3614	Motors and generators.....	1951	(4)	117	55	64	(4)	(4)
		1954	266	112	47	56	73	.82
3731	Ship building and repairing.....	1951	(4)	108	44	56	(4)	(4)
		1954	328	109	42	57	72	.92
2321	Men's dress shirts and nightwear.....	1951	(4)	97	14	22	(4)	(4)
		1954	838	108	14	22	34	.90
3599	Machine shops.....	1951	(4)	75	10	15	(4)	(4)
		1954	6,795	104	8	12	20	.88

¹ Represents average total number of employees of all establishments classified in an industry.

² See footnote 2, table 1017. ³ See footnote 3, table 1017. ⁴ Not available.

⁵ Not shown because total value of primary products shipped includes large amount of duplication.

⁶ 1951 figures not available. ⁷ See footnote 16, table 1017.

⁸ Not meaningful because of large proportion of receipts for repair work to total value of shipments.

Source: Department of Commerce, Bureau of the Census; *The Proportion of the Shipments (or Employees) of Each Industry or the Shipments of Each Group of Products Accounted for by the Largest Companies as Reported in the 1954 Census of Manufactures*.

NO. 1019.—MANUFACTURES—SELECTED STATISTICS, BY SIZE OF ESTABLISHMENT, FOR MAJOR INDUSTRY GROUPS: 1954

[Value added figures in thousands of dollars]

MAJOR INDUSTRY GROUP AND ITEM	Total, all estab- lishments	ESTABLISHMENTS WITH AVERAGE EMPLOYMENT OF—					
		1 to 19 em- ployees	20 to 99 em- ployees	100 to 249 em- ployees	250 to 499 em- ployees	500 to 999 em- ployees	1,000 em- ployees or more
All manufacturing establishments, incl. administrative and auxiliary units:							
Number of establishments	291,004	198,514	65,059	16,093	6,293	2,949	2,096
All employees	16,125,550	1,210,132	2,889,559	2,500,858	2,190,032	2,048,597	5,289,694
Value added by manufacture	116,912,526	7,207,156	18,012,738	17,143,425	15,834,820	15,454,350	43,258,656
Operating establishments only:							
Number of establishments	286,817	196,344	63,889	15,647	6,092	2,837	2,008
All employees	15,651,294	1,195,447	2,834,998	2,430,255	2,118,438	1,963,907	5,106,571
Value added by manufacture	116,912,526	7,207,156	18,012,738	17,143,425	15,834,820	15,454,350	43,258,656
Food and kindred products:							
Number of establishments	42,374	28,725	10,167	2,447	673	238	124
All employees	1,647,204	189,966	452,058	374,784	229,084	162,382	238,793
Value added by manufacture	13,400,218	1,142,525	3,305,146	3,205,903	2,073,259	1,544,993	2,128,566
Tobacco manufactures:							
Number of establishments	627	336	116	86	47	22	20
All employees	94,863	1,547	6,085	13,769	17,339	15,415	40,697
Value added by manufacture	988,001	5,058	24,870	65,441	96,747	79,229	710,645
Textile mill products:							
Number of establishments	8,070	3,208	2,620	1,154	611	328	149
All employees	1,037,440	25,165	126,027	185,393	215,015	224,717	261,026
Value added by manufacture	4,745,586	148,978	596,733	888,722	971,354	999,773	1,142,940
Apparel and related products:							
Number of establishments	31,272	18,092	10,691	1,920	502	141	26
All employees	1,190,064	129,732	470,756	288,757	169,354	90,760	40,589
Value added by manufacture	5,147,371	758,381	1,998,999	1,131,750	662,295	409,131	188,689
Lumber and products (except furniture):							
Number of establishments	41,484	35,097	5,255	851	215	57	9
All employees	645,936	172,317	224,162	125,521	73,203	39,095	11,588
Value added by manufacture	3,188,409	701,487	1,086,879	665,275	419,297	226,553	88,839
Furniture and fixtures:							
Number of establishments	10,273	7,261	2,282	500	159	52	19
All employees	340,694	43,053	100,306	77,395	55,912	36,276	27,711
Value added by manufacture	1,966,410	236,004	568,015	430,679	326,676	221,127	183,863
Paper and allied products:							
Number of establishments	5,004	1,827	1,761	857	373	142	44
All employees	530,210	14,792	85,627	134,878	120,131	96,928	68,818
Value added by manufacture	4,580,944	92,278	608,335	1,088,380	1,151,548	990,831	649,536
Printing and publishing industries:							
Number of establishments	32,531	26,476	4,750	837	262	117	89
All employees	804,386	145,214	198,551	129,365	91,206	82,837	157,165
Value added by manufacture	6,264,558	937,629	1,405,141	1,055,544	737,664	692,923	1,435,609
Chemicals and allied products:							
Number of establishments	11,075	7,115	2,818	648	255	116	123
All employees	739,389	45,686	126,299	100,120	89,544	84,058	293,544
Value added by manufacture	9,443,620	410,368	1,322,483	1,240,160	1,443,737	1,308,308	3,718,472
Petroleum and coal products:							
Number of establishments	1,381	700	333	172	90	46	40
All employees	215,843	5,316	16,179	25,892	32,996	32,762	102,680
Value added by manufacture	2,582,613	58,942	176,088	331,555	379,346	472,105	1,164,560

**NO. 1019.—MANUFACTURES—SELECTED STATISTICS, BY SIZE OF ESTABLISHMENT,
FOR MAJOR INDUSTRY GROUPS: 1954—Continued**

[Value added figures in thousands of dollars]

MAJOR INDUSTRY GROUP AND ITEM	Total, all establish- ments	ESTABLISHMENTS WITH AVERAGE EMPLOYMENT OF—					
		1 to 19 em- ployees	20 to 99 em- ployees	100 to 249 em- ployees	250 to 499 em- ployees	500 to 999 em- ployees	1,000 em- ployees or more
Operating establishments—Con.							
Rubber products:							
Number of establishments.....	1,406	753	347	134	66	54	52
All employees.....	246,526	4,868	16,435	20,994	22,717	38,081	142,795
Value added by manufacture.....	1,903,702	35,327	115,578	151,128	147,315	297,403	1,156,771
Leather and leather products:							
Number of establishments.....	4,845	2,578	1,287	547	334	87	12
All employees.....	356,578	16,856	61,947	87,524	116,963	55,671	17,584
Value added by manufacture.....	1,637,417	83,109	279,117	375,007	546,358	250,232	94,556
Stone, clay, and glass products:							
Number of establishments.....	11,162	7,829	2,316	613	262	83	59
All employees.....	491,814	47,492	102,988	97,657	89,207	56,645	97,813
Value added by manufacture.....	3,821,650	273,845	672,508	784,132	787,673	443,255	860,169
Primary metal industries:							
Number of establishments.....	5,838	2,649	1,752	651	354	213	219
All employees.....	1,117,059	19,644	82,256	105,126	126,848	140,513	633,614
Value added by manufacture.....	9,372,910	125,455	562,835	843,035	1,065,810	1,324,250	5,451,485
Fabricated metal products:							
Number of establishments.....	22,516	15,108	5,332	1,219	460	242	95
All employees.....	1,019,406	98,449	233,680	190,293	159,088	166,832	170,963
Value added by manufacture.....	7,596,275	655,197	1,652,356	1,384,553	1,248,293	1,331,167	1,324,610
Machinery (except electrical):							
Number of establishments.....	25,601	18,079	5,213	1,168	551	317	273
All employees.....	1,541,675	112,368	223,843	183,714	193,263	220,463	607,078
Value added by manufacture.....	12,338,923	809,528	1,735,617	1,551,347	1,573,813	1,820,729	4,841,865
Electrical machinery:							
Number of establishments.....	5,758	2,021	1,487	589	339	215	207
All employees.....	950,126	19,210	71,097	93,341	117,148	151,614	506,290
Value added by manufacture.....	7,403,134	123,941	483,865	602,591	854,449	1,163,017	4,110,212
Transportation equipment:							
Number of establishments.....	5,348	3,031	1,211	402	206	186	312
All employees.....	1,704,572	19,205	54,901	64,834	74,100	133,078	1,358,383
Value added by manufacture.....	13,925,983	115,668	374,604	475,991	550,908	997,959	11,410,814
Instruments and related products:							
Number of establishments.....	3,142	2,157	610	185	84	56	50
All employees.....	272,586	12,846	28,226	28,704	29,275	41,096	132,408
Value added by manufacture.....	2,128,706	86,413	191,565	204,245	229,528	291,719	1,125,216
Miscellaneous manufactures: ¹							
Number of establishments.....	17,010	12,342	3,541	667	249	125	86
All employees.....	695,917	71,775	153,575	102,194	87,045	85,084	196,132
Value added by manufacture.....	4,473,050	402,025	854,004	607,987	568,750	574,946	1,465,219
Administrative and auxiliary:							
Number of establishments.....	4,187	2,170	1,170	446	201	112	88
All employees.....	474,256	14,685	54,561	70,603	71,594	79,690	183,123

¹ Includes privately owned and/or operated establishments engaged primarily in manufacture of ordnance and accessories.

Source: Department of Commerce, Bureau of the Census; *U.S. Census of Manufactures: 1954*, Vol. I.

PLANT AND EQUIPMENT EXPENDITURES

No. 1020.—MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY MAJOR INDUSTRY GROUPS: 1947 TO 1954

[In thousands of dollars. See headnote, table 1022. 1952 and 1953 figures based on sample and subject to sampling variation. See text, p. 779. 1947 figures exclude expenditures for: (a) Plants under construction but not in operation; (b) nonmanufacturing establishments of manufacturing companies; (d) plants and equipment leased to manufacturers by others; and (e) used plant and equipment acquired from others. 1952 to 1954 figures include expenditures for plants under construction but not in operation.]

MAJOR INDUSTRY GROUP	1947			1952			1953			1954		
	Total expenditures	New machinery and equipment	New structures and additions to plant	Total expenditures	New machinery and equipment	New structures and additions to plant	Total expenditures	New machinery and equipment	New structures and additions to plant	Total expenditures	New machinery and equipment	New structures and additions to plant
All industries	5,988,099	2,122,143	3,875,956	7,883,369	2,579,117	5,304,252	8,047,892	2,585,359	5,462,553	8,202,142	2,458,962	5,743,180
Food and kindred products	820,847	276,803	544,044	540,889	163,697	377,792	533,019	185,006	408,013	800,894	234,968	565,966
Tobacco manufactures	35,045	12,919	22,726	22,358	6,644	15,734	29,220	7,630	21,730	23,018	5,010	23,008
Textile mill products	367,510	104,766	282,804	330,303	82,701	247,602	203,571	58,795	204,776	230,059	46,504	183,355
Apparel and related products	83,945	22,114	61,831	54,637	9,947	44,710	60,701	13,821	46,880	37,652	5,22	50,542
Lumber and products (exc. furniture)	2,171,574	56,048	115,526	180,343	44,118	136,225	133,326	63,212	130,114	235,647	68,949	166,588
Furniture and fixtures	77,441	26,247	51,194	55,441	(3)	60,245	23,712	61,945	36,483	22,477	39,468	34,020
Paper and allied products	408,779	117,291	345,558	339,630	68,945	314,635	445,167	87,506	357,601	352,923	81,790	924,924
Printing and publishing industries	226,308	82,143	144,225	188,936	(7)	169,114	102,200	44,505	154,549	237,402	51,516	177,886
Chemicals and allied products	804,958	279,739	625,219	1,192,239	315,461	816,788	1,022,200	289,291	802,938	1,040,644	249,897	760,747
Petroleum and coal products	399,754	317,440	82,314	612,785	305,007	307,778	857,976	631,480	326,480	784,255	497,696	286,559
Rubber products	100,783	30,883	78,880	126,918	24,513	102,405	131,992	22,539	109,463	128,575	18,526	110,049
Leather and leather products	31,301	8,064	23,257	18,745	4,197	14,543	24,678	6,147	18,531	28,507	8,053	20,454
Stone, clay, and glass products	285,065	104,378	180,688	200,522	68,723	201,715	80,442	201,275	312,455	89,900	222,605	634,877
Primary metal industries	562,177	212,687	373,490	1,619,221	540,633	1,078,588	1,211,556	389,770	812,886	900,759	205,882	1,142,215
Fabricated metal products	301,822	92,119	212,703	337,861	93,690	244,171	440,208	149,269	396,939	444,085	329,870	329,870
Machinery (except electrical)	517,589	167,396	350,168	678,363	231,921	446,472	754,739	232,273	522,466	734,289	200,008	534,281
Electrical machinery	244,606	64,874	176,732	346,701	125,583	221,115	406,425	131,791	274,634	355,080	33,057	247,610
Transportation equipment	354,074	99,514	265,460	712,483	319,660	312,823	709,922	173,296	656,306	1,003,172	180,804	743,842
Instruments and related products	66,000	15,313	40,687	77,338	25,224	61,964	31,359	58,933	66,930	30,433	46,023	66,930
Miscellaneous manufactures	108,960	31,515	75,446	164,566	66,751	97,815	205,876	64,409	141,467	178,083	46,023	132,070

1954 figures include data for establishments engaged in the processing and distribution of fluid milk; excluded for other years.

2 1952 to 1954 figures include data for logging camps and contractors, excluded for 1947.

3 Data for establishments under construction have been excluded from the expenditure figure for the industry group in order to avoid disclosing figures for individual companies. They are, however, included in "All industries" totals.

4 Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures* and 1947 and 1954 Censuses of Manufactures.

No. 1021.—MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY STATES: 1953 AND 1954

[In thousands of dollars. See headnote, table 1020]

DIVISION AND STATE	1953			1954		
	Total expenditures	New structures and additions to plant	New machinery and equipment	Total expenditures	New structures and additions to plant	New machinery and equipment
United States	8,047,892	2,585,339	5,462,553	8,202,142	2,458,962	5,743,180
New England	389,542	86,742	302,800	1,424,264	186,845	1,337,419
Maine	38,583	9,248	20,345	158,935	14,265	14,670
New Hampshire	14,581	2,622	11,950	18,492	3,752	14,739
Vermont	9,527	1,550	7,977	18,876	1,380	17,496
Massachusetts	1,157,212	1,33,306	1,123,906	1,180,698	1,37,415	1,143,283
Rhode Island	33,643	8,495	25,148	27,671	3,601	24,070
Connecticut	1,134,353	1,29,989	1,104,364	1,129,591	1,26,430	1,103,161
Middle Atlantic	1,622,020	541,394	1,080,626	1,606,509	455,881	1,150,628
New York	514,135	127,503	386,632	581,082	124,570	456,505
New Jersey	332,939	116,779	216,160	392,380	123,468	268,912
Pennsylvania	774,946	297,112	477,834	633,046	207,835	425,211
East North Central	2,642,571	760,788	1,881,751	1,272,458	1,765,596	1,191,862
Ohio	735,425	239,037	496,388	770,606	207,133	563,473
Indiana	426,047	135,138	290,909	301,247	102,850	119,397
Illinois	602,058	178,830	423,228	575,233	211,117	364,116
Michigan	708,306	158,085	550,221	897,842	182,241	715,601
Wisconsin	170,735	49,698	121,037	169,422	155,281	114,141
West North Central	387,323	121,099	266,224	1,400,211	146,289	1,253,921
Minnesota	96,113	23,660	72,458	87,069	27,871	59,198
Iowa	164,614	17,857	146,757	77,666	30,197	47,469
Missouri	1,112,844	1,33,409	179,435	1,124,394	137,822	1,86,572
North Dakota	13,070	10,230	2,840	16,244	14,112	2,132
South Dakota	3,270	1,466	1,804	3,444	1,255	2,189
Nebraska	36,031	9,049	26,982	36,414	9,346	27,068
Kansas	58,714	23,490	35,224	1,53,017	1,25,158	1,27,859
South Atlantic	850,964	237,084	613,880	1,832,896	1,243,853	1,559,043
Delaware	27,024	4,031	22,993	1,23,375	1,5,750	1,17,625
Maryland	115,035	51,897	64,038	193,908	1,34,873	1,59,035
District of Columbia	3,733	1,421	2,312	6,536	1,586	4,950
Virginia	1,134,874	1,21,989	1,112,885	1,109,887	41,576	1,75,759
West Virginia	113,776	22,950	90,828	198,883	27,243	171,640
North Carolina	135,411	39,913	95,498	1,129,622	1,36,845	1,92,777
South Carolina	58,859	16,653	42,206	62,865	1,12,933	1,46,696
Georgia	143,866	49,999	93,857	173,066	48,407	124,659
Florida	103,205	22,126	81,079	105,078	26,442	78,636
East South Central	399,322	114,417	284,905	1,430,323	1,120,693	1,309,630
Kentucky	109,007	33,370	75,637	152,947	30,921	93,116
Tennessee	1,156,438	1,41,315	1,115,123	186,058	42,934	113,124
Alabama	1,98,571	1,32,589	1,65,982	1,82,248	21,673	160,575
Mississippi	31,369	4,778	26,591	1,37,008	11,546	1,25,462
West South Central	883,038	368,298	514,740	1,765,743	1,283,586	1,482,157
Arkansas	70,206	25,080	45,126	1,42,715	1,16,568	1,26,147
Louisiana	245,250	117,537	127,713	1,174,396	1,48,037	1,126,359
Oklahoma	62,894	39,730	23,164	51,740	18,857	32,883
Texas	504,688	185,951	318,727	479,349	188,974	290,375
Mountain	122,340	39,916	82,424	1,126,844	1,40,054	1,86,790
Montana	31,881	15,388	16,493	1,20,574	1,9,360	1,11,214
Idaho	16,818	6,514	10,304	1,20,627	1,5,105	1,15,522
Wyoming	14,423	5,777	8,646	6,890	5,285	1,614
Colorado	1,26,583	1,3,467	1,23,116	1,30,121	1,7,866	1,22,255
New Mexico	3,932	1,201	2,731	6,585	1,989	4,596
Arizona	7,199	2,421	4,778	13,800	5,055	8,745
Utah	15,009	3,070	11,939	1,23,385	1,4,579	1,18,806
Nevada	1,4,794	1,1,393	1,8,401	4,850	812	4,038
Pacific	750,772	315,601	435,171	1,841,071	1,297,221	1,543,850
Washington	125,083	49,302	75,781	1,147,130	1,44,830	1,102,300
Oregon	63,377	17,736	45,641	1,67,811	1,15,813	1,51,998
California	562,312	248,563	313,749	590,989	206,695	384,294

¹ Excludes data for establishments under construction.

No. 1022.—VALUE OF MANUFACTURERS' INVENTORIES, BY MAJOR INDUSTRY GROUPS: 1947 AND 1954

In thousands of dollars. 1947 figures exclude small establishments not reporting inventory (or expenditure) data; see source for measure of undercoverage. For 1954, small establishments (usually those with less than 6 employees) reported only their total beginning and end-of-year inventories. Their detailed inventory (or expenditure) figures were derived by prorating on basis of 1954 industry averages to obtain figures representing all establishments for 1954.

MAJOR INDUSTRY GROUP	1947						1954					
	Inventories at beginning of year			Inventories at end of year			Inventories at beginning of year			Inventories at end of year		
	Finished products	Materials, supplies, and work in process	Total	Finished products	Materials, supplies, and work in process	Total	Finished products	Work in process	Materials and supplies	Total	Finished products	Work in process
All industries	22,432,422	6,159,703	28,222,719	7,808,637	18,320,500	42,846,663	13,794,458	12,849,424	16,202,506	40,349,593	13,501,617	11,881,153
Food and kindred products	3,459,199	1,522,149	4,981,050	4,078,750	1,943,108	5,022,658	1,211,314	1,770,396	4,670,108	12,722,606	1,211,452	1,735,020
Tobacco manufacturers	1,035,750	391,569	1,426,190	1,117,654	465,754	1,682,415	641,634	659,787	1,447,404	663,464	283,810	1,020,195
Textile mill products	1,609,619	339,000	2,148,619	1,788,166	385,472	2,551,705	840,705	563,535	2,162,460	783,510	674,820	788,817
Apparel and related products	1,087,339	365,489	1,257,372	449,094	808,278	1,555,236	670,329	248,671	616,179	1,464,097	639,437	260,162
Lumber and wood products (except furniture)	497,580	200,015	207,565	653,637	275,277	378,360	1,151,141	617,749	236,372	307,017	1,142,920	545,625
Furniture and fixtures	312,280	61,108	281,172	401,311	83,053	318,258	506,050	159,610	206,750	581,328	164,974	138,319
Paper and allied products	536,913	91,644	445,259	714,223	125,316	588,507	1,038,375	277,624	100,623	711,118	1,000,879	288,742
Printing and publishing industries	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Chemicals and allied products	1,743,370	805,525	1,237,845	2,002,730	650,037	1,412,693	2,948,218	1,178,286	418,720	1,351,205	2,852,860	1,178,659
Petroleum and coal products	400,293	330,205	888,583	453,606	434,977	1,627,145	858,504	280,083	458,557	1,582,011	861,802	278,295
Rubber products	98,427	274,631	413,785	152,987	260,818	618,223	269,392	89,009	229,821	589,731	289,671	93,199
Leather and leather products	373,058	102,289	345,416	508,276	120,257	388,019	509,533	169,511	126,363	213,620	459,081	167,090
Stone, clay, and glass products	137,933	233,213	404,666	184,543	310,123	823,416	355,089	103,820	364,481	805,670	363,165	99,878
Primary metal industries	1,719,943	1,351,442	1,985,469	441,282	1,527,187	3,649,443	807,267	1,088,780	1,682,900	3,468,264	801,873	1,082,545
Fabricated metal products	1,254,132	233,733	1,020,273	500,320	315,639	1,184,181	2,740,810	662,114	810,346	1,268,356	744,121	646,463
Machinery (exc. electrical)	2,883,852	677,792	2,156,060	3,354,237	890,262	2,463,975	5,238,801	1,682,235	2,158,517	5,73,025	4,698,071	1,547,705
Electrical machinery and transportation equipment	1,342,438	188,439	1,153,994	1,450,516	291,340	1,188,176	2,26,394	635,854	1,252,400	850,309	2,472,123	688,280
Instruments and related products	2,048,774	242,172	1,806,402	2,377,182	296,984	2,050,488	5,960,402	579,249	3,723,856	1,657,293	5,474,477	462,756
Misc. manufactures	382,098	83,172	298,926	429,047	103,757	325,290	706,569	185,562	418,873	192,130	746,785	137,236
	588,634	149,683	418,951	630,903	180,379	450,024	2,058,903	545,741	811,240	1,852,618	585,856	637,421

¹ Work in process for "Meat packing" and "Prepared meats" included in finished products.

² For 1954, distribution allocated on basis of that reported in 1953 "Annual Survey of Manufactures."

³ Data not collected. ⁴ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures.

No. 1023.—WATER USE IN SELECTED MANUFACTURING INDUSTRIES: 1953

[For establishments reporting intake of 20 million or more gallons of water, which account for 90 to 95 percent of the water used. Data based on sample and subject to sampling variation. See text, p. 779.]

INDUSTRY GROUP	TOTAL WATER INTAKE DURING ENTIRE YEAR (FRESH PLUS BRACKISH)		PERCENT OF TOTAL FRESH WATER INTAKE, BY SOURCE			Brackish water intake as percent of total intake	Water intake by establishments recirculating water as percent of total water intake		
	Billion gallons	Million gallons per employee	Company water systems		Surface water				
			Public water systems	Ground water					
All industries	11,430	1.50	19.8	66.7	13.5	21.3	52.6		
Food and kindred products									
Meat products	521	0.92	40.3	21.0	38.7	17.6	50.6		
Canning, preserving, and freezing	84	0.45	43.3	1.8	54.9	9.5	42.8		
Sugar	47	0.69	47.0	1.8	51.2	7.3	50.0		
Beverages	107	4.63	13.8	66.1	20.1	44.3	59.0		
Tobacco manufactures	81	0.78	53.4	8.0	38.6	12.6	49.6		
Textile mill products	(1)	0.07	86.5		13.5	62.8	29.4		
Cotton and rayon broad-woven fabrics	299	0.57	34.4	44.5	21.1	10.1	10.5		
Dyeing and finishing textiles, except knit goods	120	0.51	31.7	20.8	47.5	19.7	12.2		
Carpets and rugs	6	0.16	32.2	59.2	8.6	24.2	52.6		
Miscellaneous textile goods	8	0.27	46.2	43.7	10.1	2.5	51.2		
Apparel and related products									
Lumber and products (except furniture)	7	0.31	47.2	50.2	2.6		36.3		
Miscellaneous wood products	(1)	1.58	16.2	78.5	5.3	17.0	7.0		
Furniture and fixtures	2	0.61	7.2	84.1	8.7	4.2	88.3		
Household furniture	7	0.13	72.9	12.3	14.8	7.0	17.0		
Paper and allied products	5	0.16	81.0	0.1	18.9	9.8	5.1		
Pulp, paper, and paperboard	1,256	5.20	13.1	65.9	21.0	13.8	74.6		
Paper coating and glazing	1,231	6.41	12.9	65.9	21.2	14.1	75.1		
Printing and publishing industries	9	0.52	5.6	69.6	24.8		35.4		
Chemicals and allied products	2,784	5.87	92.0		8.0	9.3	17.5		
Industrial inorganic chemicals	783	11.98	7.7	71.2	21.4	34.3	50.3		
Drugs and medicines	28	0.54	27.5	42.2	30.3	7.9	32.4		
Soap and related products	22	0.87	55.4	13.2	31.4	45.6	51.6		
Gum and wood chemicals	32	5.63	25.9	22.4	51.7	0.1	55.7		
Petroleum and coal products	1,923	0.85	31.6	60.0	8.4	36.6	57.5		
Coke and byproducts	313	8.93	8.9	88.0	3.1	14.2	62.7		
Rubber products	(1)	0.55	25.6	55.1	19.3	21.1	63.7		
Tires and inner tubes	80	0.81	7.3	72.2	20.5	21.4	68.2		
Leather and leather products	(1)	0.38	39.4	31.2	29.4	14.1	13.7		
Stone, clay, and glass products	185	0.86	24.9	63.1	12.0	5.4	66.8		
Pressed and blown glassware	12	0.18	51.0	3.8	45.2	7.2	33.7		
Primary metal industries	3,670	3.64	13.2	82.9	3.9	10.3	50.7		
Blast furnaces and steel mills	3,357	5.61	12.3	84.8	2.9	9.2	52.8		
Iron and steel foundries	31	0.26	57.6	33.2	9.2	21.1	30.8		
Primary nonferrous metals	181	3.79	7.5	72.8	19.7	24.9	20.0		
Nonferrous metal rolling and drawing	55	0.63	19.7	71.4	8.9	22.8	39.5		
Miscellaneous primary metal industries	33	0.33	59.6	23.5	16.9	5.0	45.8		
Fabricated metal products	(1)	0.23	83.4	5.2	11.4	5.7	10.4		
Cutlery, hand tools, and hardware	13	0.18	71.3	7.6	21.1	34.7	24.4		
Machinery (except electrical)	152	0.18	60.0	24.8	15.2	5.7	39.5		
Engines and turbines	22	0.28	16.5	78.3	5.2	10.7	33.7		
Tractors and farm machinery	22	0.17	38.4	59.5	2.1	7.5	70.8		
Office and store machines	6	0.08	37.3		62.7		41.7		
Service and household machines	21	0.13	52.8	1.0	46.1	5.0	60.3		
Miscellaneous machinery parts	42	0.40	89.0	1.0	10.0	1.7	12.6		
Electrical machinery	52	0.09	73.3	16.1	10.6	9.5	41.1		
Electrical industrial apparatus	26	0.13	64.5	27.1	8.4	13.3	27.2		
Insulated wire and cable	2	0.19	58.5	12.6	28.9	30.7	31.6		
Communications equipment and related products	16	0.05	82.5	6.3	11.2	2.5	45.6		
Transportation equipment	137	0.09	75.8	8.5	15.7	5.7	30.9		
Aircraft and parts	36	0.05	76.4	7.4	16.2	9.8	33.4		
Railroad equipment	9	0.14	42.8	50.6	6.6		27.0		
Instruments and related products	25	0.18	46.4	31.5	22.1	17.8	61.4		
Miscellaneous manufactures	(1)	0.20	28.4	14.3	57.3	5.5	64.6		

¹ Withheld because the estimate does not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 1024.—CANNED FRUIT AND VEGETABLE PRODUCTS—ANNUAL PRODUCTION: 1945–46 TO 1956–57

[Standard cases (in millions). Data are for pack years and are partly estimated]

PRODUCT	1945–1946	1946–1947	1947–1948	1948–1949	1949–1950	1950–1951	1951–1952	1952–1953	1953–1954	1954–1955	1955–1956	1956–1957
Fruits ¹ ...	52.1	82.9	66.2	65.1	69.6	74.2	81.5	75.5	78.3	81.4	90.5	(2)
Apples...	1.1	4.0	2.1	1.6	3.9	4.9	3.1	2.4	2.7	4.3	5.9	3.6
Applesauce...	1.9	6.2	4.5	3.4	5.9	8.3	5.5	5.5	7.0	9.4	8.8	9.5
Apricots...	4.4	10.7	3.3	4.8	2.4	3.7	4.6	4.0	4.8	2.8	5.9	4.2
Berries...	0.4	0.8	1.0	1.8	2.0	1.3	1.7	1.4	1.4	1.4	1.1	1.0
Cherries, red, pitted...	1.1	2.4	1.8	2.7	2.6	3.8	3.6	2.9	2.8	2.3	3.5	1.8
Cherries, other...	1.3	1.8	0.6	0.8	1.7	0.7	0.9	1.3	1.1	1.0	1.4	0.7
Cranberries...	1.8	3.2	2.2	1.3	1.8	2.5	2.7	2.5	2.8	3.0	3.1	3.1
Figs...	0.7	1.2	0.8	0.6	0.3	0.5	0.7	0.8	0.5	0.5	0.6	0.6
Grapefruit...	2.1	4.0	2.3	3.1	2.4	3.2	2.4	2.6	3.0	3.6	3.3	(2)
Mixed fruits...	6.5	8.9	10.2	11.0	7.6	8.2	10.0	8.3	9.2	10.0	10.9	12.2
Peaches...	14.8	20.0	19.0	17.4	19.1	16.6	22.8	19.3	21.1	18.5	22.5	27.9
Pears...	4.7	5.2	5.7	4.0	5.9	6.4	6.6	6.6	5.8	7.8	8.3	8.9
Pineapple ³ ...	7.9	8.4	9.4	10.8	10.8	11.3	12.2	14.6	13.4	13.1	14.7	14.6
Plums and prunes...	2.5	4.2	2.3	0.9	1.8	1.0	2.4	1.6	1.4	1.7	1.7	2.3
Olives, ripe...	0.9	1.9	1.0	0.9	1.4	1.8	2.3	1.7	1.3	2.0	1.9	2.5
Juices ⁴ ...	110.6	110.0	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Apple...	1.1	4.4	1.4	1.1	2.7	3.4	3.0	3.1	3.0	4.1	3.4	4.0
Apricot, peach, pear...	0.2	1.5	1.5	1.6	1.5	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Grape...	2.5	3.4	3.4	3.5	2.8	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Grapefruit...	26.4	17.6	17.5	14.3	12.2	18.3	9.2	11.6	16.0	12.0	13.8	(2)
Lemon...	0.6	0.4	0.5	0.4	0.6	0.4	0.4	0.7	0.3	0.5	0.7	(2)
Orange...	22.6	19.7	27.3	19.3	19.5	22.5	20.9	18.9	18.6	18.1	16.6	(2)
Orange-grapefruit...	14.0	11.0	12.4	10.8	7.4	9.4	6.6	6.1	6.5	5.1	5.4	(2)
Pineapple ³ ...	9.6	9.0	9.9	11.5	12.0	13.7	12.2	16.9	16.4	16.0	16.2	16.7
Prune...	4.9	4.0	3.9	4.0	5.4	4.5	4.0	(2)	(2)	(2)	(2)	(2)
Other fruit...	1.3	3.5	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Tomato...	23.4	29.2	19.5	27.8	23.5	26.2	36.2	35.8	37.8	27.1	26.9	43.6
Other vegetable...	4.0	6.3	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Seasonal vegetables ⁴ ...	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Asparagus...	4.5	4.6	3.8	3.6	4.4	4.5	4.8	4.4	4.0	5.0	6.2	5.6
Beans, green and wax...	17.5	18.3	13.1	15.2	20.6	21.0	19.4	16.3	22.6	27.1	23.4	24.0
Beans, lima...	1.6	1.7	2.2	2.5	4.4	3.2	3.0	2.3	3.1	3.5	2.8	3.4
Beets...	9.5	7.0	3.4	4.4	7.3	8.2	7.5	6.7	8.6	7.1	7.5	9.7
Carrots...	3.6	3.7	1.0	3.1	1.8	1.9	2.2	2.8	2.7	2.1	1.8	3.1
Corn...	28.7	31.0	26.1	31.5	29.8	18.2	25.6	32.3	31.0	30.6	24.1	35.7
Greens, leafy...	3.0	1.5	0.9	1.7	2.5	2.0	2.8	2.9	2.3	2.1	2.5	2.2
Mixed vegetables...	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Peas, field...	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Peas, green...	39.7	40.9	33.1	23.4	23.5	29.1	33.9	26.5	28.0	24.0	27.4	29.2
Pimientos...	0.5	0.6	0.5	0.5	0.6	1.2	0.4	0.3	1.0	0.7	1.0	0.3
Pumpkin and squash...	1.9	4.6	3.4	1.8	1.1	2.2	4.4	5.4	3.0	2.1	4.2	5.1
Spinach...	8.4	8.4	3.9	5.0	5.7	5.6	7.6	6.1	5.4	4.0	6.0	6.4
Tomatoes...	16.9	23.9	27.7	24.4	21.5	21.1	31.8	28.0	22.3	21.8	24.7	29.9
Other vegetable packs ⁵ ...	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Nonseasonal vegetables ⁴ ...	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Beans, all dry varieties...	34.7	35.0	37.1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Hominy...	(2)	(2)	4.3	4.5	4.8	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Mushrooms...	0.4	0.5	0.9	0.6	0.7	0.6	0.6	0.7	(2)	(2)	(2)	(2)
Sauerkraut...	8.5	8.3	4.2	6.5	7.8	8.9	7.2	7.1	8.2	8.1	7.6	(2)
Spaghetti and macaroni...	(2)	(2)	6.2	(2)	(2)	8.7	(2)	(2)	(2)	(2)	(2)	(2)
Sweet potatoes...	3.1	4.2	1.7	1.8	3.1	4.3	3.2	5.0	4.9	4.1	5.1	5.1
Soups...	39.1	43.0	43.5	42.0	41.0	(2)	(2)	(2)	(2)	(2)	(2)	(2)
White potatoes...	(2)	(2)	0.9	1.6	1.5	1.6	1.3	2.6	2.8	1.7	2.7	2.9
Tomato products ⁴ ...	33.8	45.0	35.7	25.4	21.8	26.0	46.9	37.2	30.3	31.4	41.3	55.1
Catsup and chili sauce...	10.1	13.0	16.9	13.2	8.7	11.7	19.8	15.5	15.2	14.4	18.4	24.7
Paste and sauce...	11.5	16.2	12.9	8.5	9.0	10.3	19.4	17.0	11.5	13.8	18.6	24.2
Pulp and puree...	12.2	15.8	5.9	3.7	4.1	4.0	7.7	4.7	3.6	3.2	4.3	6.2
Canned baby foods ⁶ ...	104.1	120.2	90.0	126.7	122.1	130.2	119.6	134.1	156.4	160.6	157.4	160.7
Desserts...	0.8	10.6	7.2	10.1	8.5	9.3	9.9	12.1	14.4	14.7	21.0	19.1
Fruits...	38.9	45.0	34.8	41.6	49.6	49.3	44.9	49.4	61.1	63.1	54.3	58.4
Meat compounds...	21.0	36.8	24.7	38.0	36.1	40.4	36.4	43.2	47.5	49.0	50.5	53.4
Vegetables...	34.4	27.8	23.3	37.0	27.9	31.2	28.4	29.4	33.4	33.8	31.6	29.8

¹ Basis 24 No. 2½ cans.² Not available.³ Hawaiian pack plus receipts from Puerto Rico. 1951–56 represents Hawaiian pack and foreign operations.⁴ Basis 24 No. 2 cans.⁵ Succotash, triple succotash, carrots and peas, okra, okra and tomatoes.⁶ Basis dozen cans.Source: National Canners Association, Washington, D. C.; *Canned Food Pack Statistics*, and records.

No. 1025.—CANNED VEGETABLES, FRUITS, JUICES, AND FISH—CANNERS' CARRYOVER,
PACK, TOTAL SUPPLY, AND SHIPMENTS: 1954–1955 TO 1956–1957

[In thousands of actual cases]

COMMODITY	Season beginning date	TOTAL SUPPLY		1956–1957 SEASON			SHIPMENTS FROM SEASON DATE TO	
		1954–1955	1955–1956	Total supply	Carry-over	Pack	Jan. 1, 1956	Jan. 1, 1957
Vegetables:								
Asparagus	Mar. 1	6,000	7,738	8,048	1,803	6,245	4,752	5,214
Beans, green and wax	July 1	33,967	28,181	30,834	5,085	25,749	12,208	15,134
Beans, lima	Aug. 1	4,411	4,149	4,805	1,074	3,731	(1)	(1)
Beets	July 1	9,942	9,689	11,661	1,540	10,121	4,082	5,005
Carrots	July 1	3,020	2,643	3,206	500	2,706	1,175	1,314
Corn	Aug. 1	41,906	34,530	44,391	2,146	42,245	14,029	17,720
Peas	June 1	31,488	33,096	35,152	2,058	33,094	18,219	18,860
Pumpkin and squash	July 1	3,145	3,763	4,613	396	4,217	2,912	2,734
Sauerkraut ³	Aug. 1	8,415	6,740	7,952	1,080	6,872	3,050	2,538
Spinach	Jan. 1	4,3,871	4,5,829	(1)	(1)	(1)	(1)	(1)
Tomatoes	July 1	28,324	25,442	28,892	2,362	26,530	12,987	13,365
Tomato catsup and chili sauce	July 1	29,480	28,478	36,903	3,310	33,593	13,530	14,123
Tomato paste ⁶	July 1	5,433	7,082	10,010	596	9,414	4,598	5,732
Tomato puree (pulp)	June 1	2,499	2,200	3,036	120	2,916	1,304	1,186
Tomato sauce ⁵	June 1	7,742	8,222	10,184	1,136	9,028	3,371	2,853
Fruits:								
Apples ⁶	Aug. 1	4,857	4,625	4,113	989	3,124	1,491	1,642
Apple sauce	Aug. 1	15,835	15,901	15,340	1,834	13,506	5,445	5,554
Apricots	June 1	4,756	7,497	6,307	1,222	5,055	(1)	(1)
Cherries, red, pitted	July 1	3,253	5,027	3,104	355	2,749	2,761	1,630
Cherries, sweet	June 1	1,782	2,463	1,471	415	1,056	(1)	(1)
Fruit cocktail ⁷	June 1	15,268	16,727	14,005	1,791	12,214	5,418	6,068
Grapefruit segments ⁸	Oct. 1	6,582	6,369	2,692	558	6,2,134	1,231	971
Peaches	June 1	25,113	27,329	34,603	2,239	32,364	(1)	(1)
Pears	June 1	10,881	(1)	12,846	1,729	11,117	(1)	(1)
Pineapple ⁹	June 1	24,649	25,750	22,281	6,169	16,112	10,360	10,509
Plums ¹⁰	Aug. 1	2,118	2,263	2,929	578	2,351	956	1,108
Juices:								
Citrus blends ⁸	Oct. 1	4,771	4,604	1,667	286	8,1,381	851	764
Grapefruit ⁸	Oct. 1	12,324	12,647	2,942	921	8,2,021	1,914	1,965
Orange ⁸	Oct. 1	18,235	17,378	9,066	977	8,8,089	3,324	3,184
Pineapple ⁹	June 1	18,856	19,604	16,765	4,611	12,154	8,038	7,927
Tomato ¹¹	July 1	33,540	29,089	40,029	2,012	38,017	14,576	14,350
Fish:								
Maine sardines ¹²	Apr. 15	2,875	1,945	2,342	120	2,222	1,470	1,468

¹ Not available.

² Shipments to December 1.

³ Pack of sauerkraut in cases, barrels, and tanks, which have been converted to standard cases. Total supply to January 1, 1957.

⁴ Pack only.

⁵ Covers California only.

⁶ Basis 6/10's.

⁷ Includes fruits for salad and mixed fruits (except citrus).

⁸ Covers Florida only. Pack to January 1, 1957.

⁹ Covers Hawaii and the Philippines. Pack to January 1, 1957.

¹⁰ Covers purple plums only.

¹¹ Includes vegetable juice combinations containing at least 70 percent tomato juice.

¹² Measured in 100-can cases.

Source: Department of Commerce, Bureau of the Census; *Canned Food Report*.

No. 1026.—DENATURED ALCOHOL: 1910 TO 1956

[For years ending June 30. Includes data for Hawaii for all years and for Puerto Rico beginning 1930]

YEAR	Alcohol produced at industrial alcohol plants ¹	Denaturing plants operated	SPECIALTY DENATURED ALCOHOL DEALERS AND USERS		Ethyl alcohol used for denaturation ²	DENATURED ALCOHOL PRODUCED ³		
			Dealers operating	Manufacturers operating		Total	Completely denatured	Specially denatured
	1,000 proof gallons				1,000 proof gallons	1,000 wine gallons	1,000 wine gallons	1,000 wine gallons
1910	12	24	674	10,606	6,079	3,077	3,002	
1915	23	36	922	25,412	13,986	5,387	8,600	
1920	18,934	52	57	1,395	45,641	28,836	13,528	15,308
1925	166,166	91	118	4,759	152,254	81,808	46,984	34,824
1930	193,824	68	81	4,306	185,001	106,777	59,064	47,713
1935	180,646	39	71	4,279	165,234	97,031	38,747	58,284
1940	243,728	40	52	4,283	225,161	126,762	15,352	111,410
1945	4,683,432	65	38	4,061	971,447	527,006	33,088	494,008
1950	313,535	46	35	4,176	322,837	174,674	4,414	170,260
1951	444,935	48	36	4,128	456,000	245,437	1,439	243,999
1952	467,390	55	34	4,083	489,789	262,493	998	261,500
1953	484,990	53	34	4,052	444,845	239,829	627	239,202
1954	378,499	45	34	4,016	386,229	208,596	625	207,970
1955	411,840	46	35	3,939	395,334	213,229	575	212,654
1956	485,484	42	35	3,972	498,614	268,226	673	267,554

¹ Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.² Through 1940, represents *withdrawals* of all products for denaturation, that is, domestic ethyl alcohol, spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol), and rum. Beginning 1945, represents all products (except rum) *used* for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits. Rum is included for 1935 and 1940 because denatured rum is included with specially denatured alcohol for those years. ³ Prior to 1945 includes denatured rum.⁴ Represents gross production. Net production (gross production minus products used in redistillation) for 1945, 650,089,874.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1027.—ALCOHOLIC BEVERAGES—PRODUCTION, TAX-PAID WITHDRAWALS, AND STOCKS: 1940 TO 1956

[For years ending June 30. Includes data for Alaska and Hawaii. See also *Historical Statistics*, series J 172, for production of fermented malt liquor]

CLASS	Unit	1940	1945	1950	1953	1954	1955	1956
Fermented malt liquor (beer):								
Production	1,000 bbl. ¹	54,892	86,604	88,807	90,434	92,561	89,701	90,698
Tax-paid withdrawals	do	53,014	79,501	83,512	84,559	85,747	84,457	85,537
Stocks on hand, June 30	do	9,019	9,262	10,982	11,058	11,846	11,627	11,264
Breweries operated	Number	611	468	407	329	310	292	281
Distilled spirits:								
Production ²	1,000 tax gal. ³	143,455	535,440	208,235	134,466	184,997	182,142	234,933
Tax-paid withdrawals ⁴	do	128,326	142,331	144,124	155,927	158,791	153,122	165,537
Stocks on hand, June 30 ²	do	525,395	338,173	708,562	881,813	864,328	841,496	884,755
Premises operated:								
Registered distilleries	Number	101	138	82	61	81	72	71
Fruit distilleries	do	120	111	109	102	102	95	95
Internal revenue bonded warehouses	do	295	249	236	243	237	225	218
Whiskey:								
Production ²	do	98,993	41,562	118,760	66,765	102,541	103,927	130,662
Tax-paid withdrawals	do	81,267	63,891	60,499	71,351	76,699	74,356	78,430
Stocks on hand, June 30 ²	do	480,938	307,588	643,280	730,919	720,699	715,861	737,709
Rectified spirits and wines, production	1,000 proof gal.	47,657	118,863	107,861	97,772	90,411	81,925	83,451
Whiskey, production	do	37,977	101,645	94,908	83,888	77,610	72,409	71,490
Still wines:								
Production ⁶	1,000 wine gal. ⁷	212,368	314,983	297,857	392,505	348,483	380,229	503,677
Tax-paid withdrawals ⁸	do	82,571	91,752	135,581	134,508	130,477	136,279	138,008
Stocks on hand, June 30 ⁸	do	93,421	103,930	128,433	160,027	141,897	128,475	143,082
Effervescent wines: ¹⁰								
Production	do	482	1,551	1,061	1,346	1,552	1,716	2,178
Tax-paid withdrawals	do	419	1,263	1,047	1,339	1,377	1,561	1,833
Stocks on hand, June 30	do	600	1,132	1,619	1,427	1,478	1,401	1,720

¹ Barrels of 31 wine gallons. ² Excludes ethyl alcohol. ³ A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon. For spirits of less than 100 proof the tax gallon is equivalent to the wine gallon.⁴ Gross production; includes products used in redistillation. ⁵ Includes ethyl alcohol.⁶ Production represents total amount removed from fermenters, including distilling material (substandard wines produced with excessive water or residue materials). In 1956, 344,530,291 gallons of distilling materials were produced. ⁷ Standard United States gallon.⁸ Includes vermouth and other special natural wines. ⁹ Excludes distilling materials.¹⁰ Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Treasury Department, Internal Revenue Service; annual reports.

MANUFACTURES

No. 1028.—ETHYL ALCOHOL AND OTHER DISTILLED SPIRITS, EXCEPT BRANDY AND SPIRITS (FRUIT)—MATERIALS USED IN PRODUCTION, BY KINDS: 1901 TO 1956

[For years ending June 30]

YEARLY AVERAGE OR YEAR	Molas- ses	GRAIN ¹				Ethyl sulphate	Pine- apple juice	Other materials ³
		Corn	Malt	Rye	Other ²			
1901-1905	1,000 gal. lb.	1,000	1,000	1,000	1,000	1,000 gal.	1,000 gal.	1,000 lb.
1906-1910	14,059	1,094,027	197,602	303,088	3,349			
1911-1915	30,630	1,114,277	202,720	280,112	1,893			
1916-1920	71,726	1,183,706	209,194	275,374	5,029			
1921-1925	109,627	958,003	125,429	65,139	5,298		49,457	
1926-1930	144,652	259,134	53,592	5,219	4,854		42,340	88,387
1931-1935	239,279	473,682	29,613	2,722	8,1,008	1,274		
1936-1940	167,264	480,276	101,183	245,457	5,252	10,686	5,671	28,606
1941-1945	183,214	1,398,797	267,247	466,285	3,179	31,530	3,449	12,069
1946-1950	240,247	1,652,322	562,455	348,848	3,069,179	77,809	2,948	15,085
1951-1955	132,504	1,769,024	381,054	343,640	604,398	116,613	3,212	215,945
1956	132,028	1,562,061	272,758	274,881	543,080	180,685	6,129	299,738
1957	131,206	2,700,404	564,853	478,736	1,601,429	148,393	4,404	292,053
1958	160,801	1,624,372	294,647	235,281	855,593	168,020	8,498	315,744
1959	223,737	891,384	130,290	160,174	58,561	183,167	6,212	318,880
1960	83,152	1,295,029	192,817	285,964	59,819	189,423	5,611	277,702
1961	61,245	1,209,117	178,184	264,251	139,986	214,421	6,919	294,311
1962	107,798	1,542,783	220,738	258,518	170,418	232,538	4,446	313,558
1963								111,053

¹ Conversion factor used was 56 pounds per bushel when reported in bushels.

² Wheat, barley, rice, sorghum grain, etc., also mixtures of corn, malt, and rye.

³ Diamalt, sulphite liquors, manioc meal, maguey juice, maple sirup, cider, corn sirup, potatoes, crude alcohol mixtures, cellulose pulp and chemical mixtures, ethylene gas, whey, etc.

⁴ 4-year average.

⁵ 3-year average.

⁶ 1930 figure.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1029.—DISTILLED SPIRITS, MALT LIQUORS, AND WINES—APPARENT AVERAGE ANNUAL PER CAPITA CONSUMPTION: 1850 TO 1956

[In gallons, except distilled spirits which is shown in tax gallons. For years ending June 30]

YEAR	DISTILLED SPIRITS			MALT LIQUORS			WINES		
	Total	Domes- tic	Im- ported	Total	Domes- tic	Im- ported	Total	Domes- tic	Im- ported
1850	2.24	2.02	0.22	1.58	1.57	0.01	0.27	0.01	0.26
1860	2.86	2.67	0.19	3.22	3.18	0.04	0.34	0.06	0.28
1870	2.07	1.89	0.18	5.31	5.28	0.03	0.32	0.08	0.24
1871-1880 ¹	1.39	1.35	0.04	6.98	6.90	0.08	0.47	0.31	0.16
1881-1890 ¹	1.34	1.31	0.03	11.37	11.34	0.03	0.48	0.39	0.09
1891-1895 ¹	1.37	1.35	0.02	15.20	15.15	0.05	0.39	0.32	0.07
1896-1900 ¹	1.12	1.10	0.02	15.53	15.49	0.04	0.36	0.31	0.05
1901-1905 ¹	1.39	1.36	0.03	17.34	17.29	0.05	0.47	0.40	0.07
1906-1910 ¹	1.43	1.39	0.04	19.81	19.73	0.08	0.62	0.53	0.09
1915	1.26	1.23	0.03	18.40	18.37	0.03	0.33	0.27	0.06
1920	0.22	0.22	(2)	2.61	2.61	(2)	0.12	0.12	(2)
1925 ²	0.09	0.09	(2)				0.03	0.03	(2)
1930 ³	0.08	0.08	(2)				0.03	0.03	(2)
1935	0.70	0.67	0.03	10.45	10.44	0.01	0.30	0.28	0.02
1940	1.02	0.93	0.09	12.58	12.57	0.01	0.66	0.63	0.03
1945	1.22	1.05	0.17	18.86	18.79	0.07	0.73	0.70	0.03
1949	1.02	0.92	0.10	18.05	18.03	0.02	0.85	0.83	0.02
1950	1.02	0.92	0.10	17.26	17.24	0.02	0.98	0.91	0.02
1951	1.23	1.09	0.14	16.97	16.95	0.02	0.87	0.84	0.03
1952	1.00	0.87	0.13	16.94	16.92	0.02	0.85	0.82	0.03
1953	1.10	0.96	0.14	16.79	16.76	0.03	0.90	0.86	0.04
1954	1.12	0.97	0.15	16.68	16.65	0.03	0.86	0.82	0.04
1955	1.07	0.92	0.15	16.13	16.09	0.04	0.89	0.85	0.04
1956	1.13	0.97	0.16	15.99	15.95	0.04	0.89	0.84	0.05

¹ Average for the period.

² Less than 0.005.

³ Includes quantities withdrawn for certain manufacturing, compounding, medicinal, and sacramental uses.

Source: Department of Commerce, Business and Defense Services Administration.

No. 1030.—TOBACCO PRODUCTS—PRODUCTION AND AMOUNT OF LEAF TOBACCO CONSUMED IN MANUFACTURE: 1901 TO 1955

[Data relate to products manufactured in continental U. S., and exclude tobacco used in bonded manufacturing warehouses. Leaf tobacco figures represent the equivalent in unstemmed leaf tobacco of stemmed leaf or scraps, cuttings, and clippings. Tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915. For other conversion ratios, see source. See also *Historical Statistics*, series J 171 and J 174.]

YEAR OR YEARLY AVERAGE	PRODUCTION					TOBACCO CONSUMED IN MANUFACTURE			
	Tobacco and snuff			Cigars	Cigarettes	Total	Cigars	Cigarettes	Tobacco and snuff
	Total	Smoking ¹	Snuff ²						
1,000 lb.	1,000 lb.	1,000 lb.				1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1901-1905-----	346,841	138,402	208,440	7,230	3,235	451,461	124,411	12,444	314,606
1906-1910-----	413,054	192,700	220,364	7,943	6,200	524,193	139,206	23,079	362,908
1911-1915-----	437,346	221,865	215,481	8,141	14,818	578,283	151,890	52,207	374,186
1916-1920-----	456,584	237,808	218,778	8,175	41,592	650,460	155,312	130,320	364,828
1921-1925-----	409,457	239,151	170,307	7,249	65,921	672,077	151,421	198,066	322,588
1926-1930-----	389,244	235,421	153,824	6,775	109,372	702,540	149,240	312,533	300,767
1931-1935-----	349,785	233,072	110,713	4,894	121,723	740,934	112,296	345,985	282,652
1936-1940-----	344,331	241,561	102,770	5,349	174,121	878,722	124,700	492,296	261,726
1941-1945-----	327,473	217,829	109,644	5,583	285,499	1,182,914	133,383	821,311	228,221
1946-1950-----	242,865	148,725	94,140	5,603	376,694	1,367,515	133,056	1,071,586	162,873
1950-----	235,189	146,751	88,439	5,468	391,956	1,393,355	127,409	1,106,067	159,878
1951-----	227,151	140,412	86,739	5,664	418,803	1,404,663	129,819	1,184,633	150,211
1952-----	220,420	134,980	85,440	5,892	435,549	1,521,851	138,019	1,239,622	144,210
1953-----	209,368	124,738	84,630	5,973	423,070	1,519,930	139,682	1,243,860	136,398
1954-----	203,650	120,302	83,347	5,852	401,849	1,443,448	136,728	1,171,047	135,673
1955-----	199,120	115,968	83,152	5,834	412,309	1,473,359	133,948	1,202,317	137,096

¹ Includes scrap chewing tobacco. ² Includes "other" tobacco.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1031.—SMOKING PATTERNS, BY AGE, COLOR, SEX, AND URBAN-RURAL RESIDENCE: 1955

[In thousands of persons 18 years old and over. Excludes Armed Forces and inmates of penal and mental institutions and inmates of homes for the aged, infirm, and needy. Data classified by smoking habits existing at time of interview (February 1955). Among smokers, the same person may be included in more than one category; e. g., smoke both cigarettes and cigars. Figures (except population) exclude persons not reporting on smoking habits. Based on Current Population Survey (see Technical Note, p. 193).]

AGE (IN YEARS), RESIDENCE, AND COLOR	MALE					FEMALE				
	Total persons	Non-smoker of cigarettes		Cigarette smoker		Cigar smoker	Pipe smoker	Total persons	Non-smoker of cigarettes	
		Occasional ¹	Regular ²	Occasional ¹	Regular ²				Occasional ¹	Regular ²
Total-----	49,581	20,219	2,005	24,667	7,391	2,636	4,630	3,645	55,096	38,048
By color:										
White-----	44,870	18,452	1,691	22,387	6,772	2,343	4,310	3,370	49,045	34,393
Nonwhite-----	4,711	1,767	314	2,280	619	293	275	5,451	3,655	293
By residence:										
Urban-----	32,572	12,616	1,312	16,791	4,886	1,975	3,086	2,101	37,453	24,542
Rural nonfarm-----	10,456	4,339	403	5,187	1,593	466	1,040	822	11,473	8,210
Rural farm-----	6,553	3,264	290	2,689	912	192	504	632	6,170	5,296
By age:										
18 to 24-----	5,405	2,202	262	2,605	481	70	408	174	7,460	4,651
25 to 34-----	11,065	4,404	377	6,655	1,841	326	1,206	453	12,196	6,950
35 to 44-----	10,755	3,437	398	6,286	1,727	456	1,200	622	11,484	7,020
45 to 54-----	9,100	3,275	379	4,899	1,415	619	938	635	9,399	6,674
55 to 64-----	6,934	3,392	312	2,865	1,024	625	540	672	7,206	6,080
65 and over-----	6,322	4,459	277	1,357	903	540	338	1,059	7,261	6,673
Percent-----	100.0	40.8	4.0	49.8	14.9	5.3	9.3	7.4	100.0	69.1
By color:										
White-----	100.0	41.1	3.8	49.9	15.1	5.2	9.6	7.5	100.0	69.3
Nonwhite-----	100.0	37.5	6.7	48.4	13.1	6.2	6.8	5.8	100.0	67.1
By residence:										
Urban-----	100.0	38.7	4.0	51.5	15.0	6.1	9.5	6.7	100.0	65.5
Rural nonfarm-----	100.0	41.5	3.9	49.6	15.2	4.5	9.9	7.9	100.0	71.6
Rural farm-----	100.0	49.8	4.4	41.0	13.9	2.9	7.7	9.6	100.0	85.8
By age:										
18 to 24-----	100.0	40.7	4.8	48.2	8.9	1.3	7.5	3.2	100.0	62.3
25 to 34-----	100.0	30.8	3.4	60.1	16.6	2.9	10.9	4.4	100.0	57.0
35 to 44-----	100.0	32.0	3.7	58.4	16.1	4.2	11.2	5.8	100.0	61.1
45 to 54-----	100.0	36.5	4.2	53.8	15.5	6.8	10.3	7.0	100.0	71.0
55 to 64-----	100.0	48.9	4.5	41.3	14.8	9.0	7.8	9.7	100.0	83.3
65 and over-----	100.0	70.5	4.4	21.5	14.3	8.5	5.3	16.8	100.0	91.9

¹ Does not smoke daily, but smokes once in a while. ² Smokes every day.

Source: Department of Health, Education, and Welfare, Public Health Service; *Tobacco Smoking Patterns in the United States*.

No. 1032.—TOBACCO PRODUCTS—CONSUMPTION PER PERSON 15 YEARS OLD AND OVER: 1880 TO 1956

[In pounds (unstemmed processing weight). Beginning 1940, population base includes Armed Forces overseas. There are approximately 339 cigarettes, and 42.8 small cigars, per pound of tobacco.]

YEAR	Total	Cigars	Cigarettes	Tobacco ¹	YEAR	Total	Cigars	Cigarettes	Tobacco ¹
1880	5.41	1.36	0.05	4.00	1943	11.46	1.28	7.99	2.19
1885	6.64	1.61	0.10	4.93	1944	11.22	1.22	8.04	1.96
1890	7.29	1.78	0.18	5.33	1945	12.46	1.26	9.15	2.05
1895	6.99	1.56	0.25	5.18	1946	12.20	1.37	9.24	1.59
1900	7.43	1.99	0.16	5.28	1947	11.98	1.29	9.16	1.50
1905	8.61	2.31	0.19	6.11	1948	12.12	1.31	9.35	1.46
1910	8.59	2.19	0.41	5.99	1949	11.93	1.16	9.33	1.44
1915	8.40	2.17	0.82	5.41	1950	11.96	1.18	9.36	1.42
1920	8.67	2.45	1.89	4.33	1951	12.48	1.19	9.98	1.31
1925	8.98	1.99	2.96	4.03	1952	12.92	1.26	10.41	1.25
1930	8.85	1.67	3.84	3.34	1953	12.90	1.26	10.46	1.18
1935	8.21	1.30	4.11	2.80	1954	12.11	1.22	9.73	1.16
1940	9.12	1.36	5.16	2.60	1955	11.96	1.23	9.58	1.15
1941	9.78	1.42	5.95	2.41	1956 (prel.)	11.68	1.19	9.42	1.07
1942	10.69	1.41	7.01	2.27					

¹ Smoking and chewing tobaccos and snuff.

Source: Department of Agriculture, Agricultural Marketing Service; quarterly report, *Agricultural Economics Research*, Vol. VIII, No. 1, and records.

No. 1033.—BROAD-WOVEN FABRICS—PRODUCTION, BY TYPE: 1947 TO 1956

[In thousands of linear yards; in terms of gray goods except woolen and worsted which are in terms of finished yardage. Fabrics composed of a mixture of fibers classified according to primary fiber content except as noted]

PRODUCT	1947	1950	1953	1954	1955	1956 (prel.)
Total broad-woven goods	12,371,120	13,105,067	12,944,203	12,518,039	13,122,562	12,839,293
Cotton woven goods over 12 inches in width, except tire fabrics	9,816,769	10,027,037	10,203,037	9,890,948	10,171,062	10,247,779
Cotton duck	206,415	248,890	263,223	239,819	242,087	261,282
Sheeting and allied coarse and medium yarn fabrics	3,038,975	2,736,601	2,558,855	2,493,582	2,585,656	2,685,147
Print cloth yarn fabrics	3,229,025	3,663,449	3,956,483	4,039,169	3,967,718	3,863,619
Napped fabrics	502,393	412,965	290,316	233,143	240,600	249,586
Colored yarn fabrics	751,749	860,318	862,816	738,617	698,691	652,962
Fine cotton goods (all combed, part-combed, and fine carded goods)	1,312,582	1,218,381	1,307,928	1,244,336	1,376,513	1,440,777
Towels, toweling, washcloths, and terry-woven fabrics other than towels	408,606	453,662	475,086	455,088	502,298	556,160
Specialties and all other fabrics	367,024	432,681	490,330	447,194	557,499	532,246
Rayon and acetate broad-woven fabrics	1,976,835	2,406,205	1,903,233	1,730,904	1,927,434	1,602,616
Pile, upholstery, drapery, tapestry, and tie fabrics	57,060	37,763	63,442	87,906	118,197	102,798
100 percent filament rayon and/or acetate fabrics	1,236,805	1,601,282	1,051,844	848,310	887,373	787,876
Flat fabrics	652,252	860,375	681,369	619,356	716,986	627,179
Twisted yarn fabrics	584,553	740,907	370,475	228,954	170,387	160,697
100 percent spun rayon and/or acetate fabrics	332,451	434,085	442,129	445,435	520,639	346,954
Combination filament and spun rayon and/or acetate fabrics	178,982	202,450	138,594	118,876	110,687	108,033
All other rayon mixtures	171,557	130,025	207,224	230,327	290,558	256,955
Woolen and worsted woven fabrics ¹	515,843	470,513	335,914	284,231	317,586	326,990
Apparel fabrics	448,388	390,638	290,652	262,369	297,744	315,176
Woolen	245,138	215,113	186,486	(2)	(2)	(2)
Worsted	203,250	175,525	104,166	(2)	(2)	(2)
Nonapparel fabrics	67,455	79,875	45,262	21,862	19,842	11,814
Silk, nylon, glass, and other fabrics ²	61,673	201,312	502,019	611,956	706,480	661,908
Nylon fabrics, including mixtures	21,881	410,233	333,744	383,286	398,664	290,698
Silk fabrics, including mixtures	10,400	29,338	38,065	42,408	45,979	35,317
Other woven fabrics, not classified above	29,392	61,741	130,210	186,262	261,837	335,893

¹ Through 1950, comprises all fabrics containing more than 25 percent wool; beginning 1951, comprises fabrics containing 50 percent or more wool.

² Not available. ³ Includes fabrics made of acrylic, vinyl, protein, etc., fibers.

⁴ Nylon mixtures not collected separately and included with other fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures reports, and *FACTS FOR INDUSTRY*, Series M15A, M15C, and M15L.

No. 1034.—MILL CONSUMPTION OF COTTON, WOOL, MAN-MADE FIBERS, FLAX, AND SILK: 1920 TO 1955

[In millions of pounds, except per capita in pounds. Per capita figures based on population estimates of July 1, including Armed Forces overseas]

YEAR	COTTON ¹		WOOL (SQUARED BASIS) ²		MAN-MADE FIBERS				FLAX ⁵		SILK ⁶	
					Rayon and acetate ³		Other ⁴					
	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita	Total	Per capita
1920	2,892.8	26.51	314.2	2.95	8.7	0.08			13.3	0.12	38.8	0.36
1925	3,075.3	26.56	349.9	3.02	58.4	0.50			12.6	0.11	76.0	0.66
1930	2,616.6	21.26	263.2	2.14	119.3	0.97			15.6	0.13	80.6	0.65
1935	2,755.4	21.66	417.5	3.28	259.2	2.04			12.6	0.10	72.4	0.57
1940	3,959.1	29.97	407.9	3.09	482.1	3.65	4.4	0.03	12.1	0.09	47.6	0.36
1945	4,515.8	32.28	645.1	4.61	769.9	5.50	49.8	0.36	7.4	0.05	1.0	0.01
1950	4,682.7	30.87	634.8	4.18	1,351.6	8.91	140.5	0.93	10.9	0.07	10.5	0.07
1951	4,868.6	31.53	484.1	3.14	1,276.0	8.27	195.6	1.27	11.1	0.07	7.2	0.05
1952	4,470.9	28.48	466.4	2.97	1,215.5	7.74	248.6	1.58	6.7	0.04	12.6	0.08
1953	4,456.1	27.92	493.9	3.10	1,223.0	7.66	279.5	1.75	7.6	0.05	7.8	0.05
1954 (prel.)	4,127.3	25.41	380.8	2.34	1,154.8	7.11	328.5	2.02	7.0	0.04	8.5	0.05
1955 (prel.)	4,382.4	26.51	419.0	2.53	1,419.2	8.59	431.6	2.61	8.0	0.05	11.0	0.07

¹ Reported by Bureau of the Census. For American cotton, tare of 22 pounds deducted from gross weight of bale produced in 1920; beginning 1925, tare as reported by Crop Reporting Board deducted. For foreign cotton, 15 pounds deducted.

² Reported by Bureau of the Census. Beginning 1950, excludes consumption of cotton and other spinning systems and consumption in batting and felt manufacture.

³ From *Textile Organon*. Represents domestic shipments plus imports for consumption.

⁴ From *Textile Organon*. Represents domestic production less exports plus imports for consumption.

⁵ Through 1952, represents imports for consumption reported by Bureau of the Census plus estimated production by (a) Bureau of Plant Industry through 1945 and (b) Portland, Oreg., office of Agricultural Marketing Service, 1950 to 1952; beginning 1953, imports for consumption reported by Bureau of the Census.

⁶ Compiled from reports of Bureau of the Census. Through 1930, general imports less reexports; beginning 1935, imports for consumption.

Source: Compiled by Department of Agriculture, Agricultural Marketing Service; records. Figures through 1954, published in Department of Commerce, Business and Defense Services Administration; *Wool and Man-Made Fibers in the United States*.

No. 1035.—TIRE CORD AND FABRICS—PRODUCTION, BY KIND: 1947 TO 1956

[In thousands of pounds]

PRODUCT	1947	1950	1953	1954	1955	1956 (prel.)
Tire cord and fabrics	565,261	523,033	521,007	418,338	524,388	449,247
Man-made fibers						
Rayon tire cord, not woven	214,576	296,983	447,791	358,448	456,182	397,904
Rayon tire cord fabric, woven	¹ 25,638	¹ 50,082	77,654	61,591	86,932	84,033
Nylon tire cord and tire cord fabric	¹ 188,938	¹ 246,901	351,287	² 287,793	319,875	248,629
Chafers fabric and all other tire fabrics	(1)	(1)	18,850	29,064	49,375	61,495
Cotton	350,685	226,050	73,216	59,890	68,266	51,343
Tire cord and tire cord fabrics	285,076	165,395	16,113	12,716	16,399	10,751
Chafers fabric and all other tire fabrics	65,609	60,655	57,103	47,174	² 51,807	40,592

¹ Data for nylon included with rayon.

² Man-made fiber chafers fabric and all other tire fabrics included with rayon tire cord fabric woven in 1954, and with cotton chafers fabric and all other tire fabrics in 1955.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures reports, and *Facts for Industry*, Series M15A and M15M.

No. 1036.—COTTON AND MAN-MADE FIBER FABRICS, BLEACHED, DYED, OR PRINTED:
1947 TO 1955

[In thousands of linear yards. Fabrics are classified by chief fiber content]

PRODUCT	1947	1950	1952	1953	1954	1955 (prel.)
Bleached, dyed, or printed goods—						
Cotton.....	8,915,147	9,328,681	9,802,504	9,647,322	9,594,351	10,449,562
Man-made fiber fabrics and silk ¹	6,944,456	7,063,046	7,532,104	7,628,912	7,407,348	8,098,325
Bleached and white finished goods—						
Cotton.....	3,814,867	3,466,795	3,598,229	3,560,434	3,389,791	3,691,464
Man-made fiber fabrics and silk ¹	3,616,001	3,296,423	3,379,937	3,354,601	3,179,589	3,367,839
Plain dyed and finished goods—						
Cotton.....	198,866	170,372	218,292	205,833	210,202	223,625
Man-made fiber fabrics and silk ¹	3,176,320	3,950,245	4,186,803	4,044,892	3,967,554	4,251,813
Printed and finished goods ² —						
Cotton.....	1,757,586	2,160,113	2,413,140	2,454,167	2,808,304	2,595,750
Man-made fiber fabrics and silk ¹	1,418,934	1,784,132	1,773,668	1,590,725	1,659,250	1,650,063
1,923,960	1,911,641	2,017,467	2,041,996	2,237,006	2,506,235	
1,571,089	1,600,510	1,739,027	1,820,144	1,919,455	2,134,736	
Man-made fiber fabrics and silk ¹	352,891	311,131	278,440	221,852	317,551	371,549

¹ Comprises fabrics made of rayon, acetate, nylon, silk, glass, acrylic fibers, etc.² Includes roller, screen, flock and block printed fabrics.Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures reports and *Facts for Industry*, Series M15G.

No. 1037.—COTTON-SYSTEM SPINDLE ACTIVITY, 1954 TO 1956, AND COTTON CONSUMPTION, 1952 TO 1956, BY REGION AND STATE

[For years ending July 31. Consumption comprises domestic and foreign cotton and is in running bales, counting round as half bales, except foreign cotton which is in equivalent 500-pound bales]

REGION AND STATE	COTTON SPINDLES IN PLACE (1,000) ¹			SPINDLE HRS. CONSUMING 100% COTTON (millions)			COTTON CONSUMED, EXCLUDING LINTERS (1,000 bales)					
	1954	1955	1956	1954	1955	1956	1952	1953	1954	1955	1956	
United States.....	22,694	22,273	21,903	109,705	113,447	117,748	9,120	9,424	8,576	8,841	9,141	
By region:												
Cotton-growing States.....	18,997	19,027	19,069	97,655	103,188	106,063	8,443	8,731	8,011	8,358	8,638	
New England.....	3,441	3,050	2,680	11,644	9,967	10,465	559	601	499	427	446	
Other States.....	256	187	154	406	292	320	118	92	66	56	57	
By State:												
Alabama.....	1,755	1,765	1,764	9,010	9,663	9,568	1,122	1,133	982	1,053	1,040	
Connecticut.....	350	258	263	998	792	719	51	52	42	29	28	
Georgia.....	8,198	8,164	8,133	16,250	16,998	17,131	1,992	1,914	1,704	1,767	1,781	
Maine.....	598	599	516	2,569	2,423	2,489	166	189	172	160	164	
Massachusetts.....	1,781	1,500	1,342	5,380	4,454	4,919	244	258	195	161	178	
New York.....	56	40	36	51	40	38	38	22	8	7	7	
North Carolina.....	6,078	5,994	6,030	28,262	29,891	32,161	2,483	2,673	2,396	2,511	2,637	
Rhode Island.....	487	475	369	1,801	1,451	1,492	50	60	53	43	41	
South Carolina.....	6,268	6,383	6,477	35,868	37,014	39,219	2,155	2,300	2,263	2,355	2,502	
Tennessee.....	514	517	510	2,592	2,826	2,793	197	205	179	191	193	
Texas.....	228	223	224	1,094	1,053	1,167	149	144	142	135	144	
Virginia.....	650	659	1,239	3,291	3,666	3,945	189	197	194	207	222	
All other States.....	731	657	-----	2,539	2,276	2,107	284	277	246	222	204	

¹ Comprises all cotton-system spindles in place regardless of fiber spun (includes idle spindles).Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 1038.—COTTON-SYSTEM SPINDLES, COTTON CONSUMPTION, AND STOCKS: 1840 TO 1956

[Statistics for 1915 to 1955 relate to years ending July 31 and those for prior years to years ending Aug. 31. For 1946-55, spindles in place comprise all cotton-system spindles in place regardless of fiber spun. Prior to 1946, "in place" figure represents all spindles in place used exclusively for spinning cotton. Consumption and stocks are expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton for all years are in equivalent 500-pound bales. See also *Historical Statistics*, series J 179-180, for data on active cotton-system spindles in the U. S. and total cotton consumed including linters.]

YEAR	COTTON-SYSTEM SPINDLES (1,000)				Spindle hours consuming 100% cotton (millions)	COTTON CONSUMED, EXCLUDING LINTERS (1,000 bales) ²				
	Total in place	Active ¹				United States	Cotton-growing States	New Eng-land	Other States	
		United States	Cotton-growing States	New Eng-land						
1840	(3)	2,285	181	1,597	506	(3)	237	71	159	7
1850	(3)	3,998	265	2,959	775	(3)	576	78	431	67
1860	(3)	5,236	324	3,859	1,053	(3)	845	94	567	184
1870	(3)	7,132	328	5,498	1,306	(3)	797	69	551	177
1880	(3)	10,653	561	8,632	1,460	(3)	1,570	189	1,129	252
1890	(3)	14,384	1,570	10,934	1,880	(3)	2,518	539	1,502	477
1900	(3)	19,472	4,368	13,171	1,933	(3)	3,873	1,523	1,909	440
1910	28,929	28,267	16,494	15,735	2,038	(3)	4,622	2,234	1,995	393
1920	36,834	35,481	15,231	18,287	1,963	(3)	6,420	3,583	2,397	440
1925	37,929	35,032	17,292	15,975	1,765	91,055	6,193	4,220	1,639	335
1930	34,025	31,245	18,586	11,351	1,308	87,515	6,106	4,749	1,143	214
1935	30,093	26,701	18,212	7,763	726	72,526	5,361	4,306	818	237
1940	24,750	23,586	17,641	5,279	666	97,006	7,784	6,647	918	219
1945	23,128	22,675	17,610	4,511	554	111,898	9,568	8,455	891	222
1949	23,501	20,184	16,491	3,276	367	98,217	7,795	6,986	644	165
1950	22,995	21,790	17,673	3,739	378	109,243	8,851	8,030	664	157
1951	23,198	22,140	18,129	3,637	374	126,852	10,654	9,642	840	172
1952	23,205	21,298	18,119	2,927	252	106,932	9,120	8,443	559	118
1953	22,903	21,423	18,128	3,066	229	118,206	9,424	8,731	601	92
1954	22,694	20,626	17,957	2,522	147	109,705	8,576	8,011	499	66
1955	22,273	20,716	18,230	2,342	144	113,447	8,841	8,358	427	56
1956	21,903	20,557	18,283	2,140	134	117,748	9,141	8,638	446	57

YEARLY AVERAGE OR YEAR	CONSUMPTION (1,000 bales)						Linters	STOCKS IN CONSUMING ESTABLISHMENTS AT END OF YEAR (1,000 bales)			
	Cotton, excluding linters							Cotton, excluding linters ⁴			
	Total	Domestic				Foreign		Total	Do-mestic	For-ign	Linters
		Total	Upland	Sea Island	Ameri-can-Egyptian						
1906-1910	6,4829	6,4,680	6,4,616	6,64	-----	149	7,163	6,731	6,673	58	7,39
1911-1915	5,257	5,051	5,4,976	75	(5)	206	293	822	738	84	86
1916-1920	6,388	6,105	6,6,034	71	(5)	282	734	1,452	1,352	100	179
1921-1925	5,869	5,577	5,5,521	9	27	292	599	1,003	911	92	139
1926-1930	6,735	6,434	6,419	1	15	301	815	1,150	1,050	100	186
1931-1935	5,466	5,325	5,311	1	14	140	720	1,116	1,061	55	261
1936-1940	6,938	6,799	6,780	2	18	139	836	7,133	7,060	74	275
1941-1945	10,301	10,151	10,105	3	42	149	1,899	10,354	10,233	121	391
1946-1950	9,038	8,829	8,820	1	8	209	1,243	4,678	4,570	108	218
1951-1955	9,323	9,195	9,177	1	17	128	1,376	6,103	6,020	83	189
1949	7,795	7,634	7,629	1	4	161	1,406	5,031	4,962	69	237
1950	8,851	8,669	8,666	1	2	182	1,316	6,496	6,399	97	208
1951	10,654	10,487	10,452	1	34	167	1,396	2,144	2,032	112	171
1952	9,120	9,036	9,011	1	24	84	1,306	2,569	2,500	69	241
1953	9,424	9,292	9,280	1	11	132	1,359	5,346	5,252	94	122
1954	8,576	8,445	8,439	-----	6	131	1,324	9,473	9,398	75	264
1955	8,841	8,714	8,705	-----	9	127	1,474	10,985	10,920	65	148
1956	9,141	9,018	8,987	2	29	123	1,789	13,738	13,699	39	527

¹ For 1945 and earlier years data represent sum of greatest number of cotton spindles reported by each mill as active at any time during year, regardless of length of time operated. Beginning with 1947, active figure comprises cotton-system spindles active last day of year, regardless of type of fiber spun. On July 31, 1956, there were 10,019,000 spindles active on cotton, 1,295,000 on synthetics, 243,000 on other fibers and blends, and 1,346,000 idle.

² Includes linters for 1840 to 1908. Figures for all years include foreign and domestic cotton.

³ Not available.

⁴ Cotton mills only.

⁵ Includes stocks held in public storage and at compresses beginning 1938.

⁶ Includes linters for 1906 to 1908.

⁷ Average, 1890 and 1910.

⁸ "Upland" includes "American-Egyptian" 1912 to 1920.

Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 1039.—WOOL—STOCKS, PRODUCTION, PRICE, IMPORTS, AND EXPORTS: 1926 TO 1956

ITEM	1926-1930, average	1931-1935, average	1936-1940, average	1941-1945, average	1946-1950, average	1951-1955, average
Sheep and lambs shorn.....1,000 pound	39,753	45,891	45,069	45,366	20,402	27,664
Shorn wool production.....1,000 lb	310,682	366,368	360,583	360,191	238,789	232,705
Price per pound ¹cents	30.0	16.8	25.7	40.3	49.0	60.4
Pulled wool production.....1,000 lb	53,600	64,780	64,680	68,840	46,500	37,360
Apparel wool, grease basis:						
Total production.....do.	364,282	431,148	425,263	428,531	285,289	270,065
Imports, less reexports ²do.	107,538	37,404	122,583	³ 656,091	³ 466,246	279,946
Exports, domestic ⁴do.	300	122	412	12,869	10,491	2,535
Total new supply ⁵do.	471,520	468,430	547,434	³ 1,071,753	³ 740,740	547,475
Carpet wool, imports ²do.	134,601	100,881	132,977	100,058	254,679	162,038
ITEM	1951	1952	1953	1954	1955	1956 (prel.)
Stocks of apparel wool, April 1 ⁶1,000 lb	130,204	130,831	163,100	149,696	159,671	146,433
Sheep and lambs shorn.....1,000 pound	27,347	28,051	27,845	27,692	27,383	27,229
Weight per fleeco.....pounds	8.3	8.3	8.3	8.5	8.6	8.5
Shorn wool production.....1,000 lb	228,091	223,309	232,258	235,807	234,058	232,128
Price per pound ¹cents	97.1	54.1	754.9	753.2	42.6	42.7
Pulled wool production.....1,000 lb	25,900	33,600	42,200	43,500	41,600	39,900
Apparel wool, grease basis:						
Total production.....do.	253,991	266,909	274,458	279,307	275,658	272,026
Imports, less reexports ²do.	430,614	379,677	260,804	159,580	169,054	151,683
Exports, domestic ⁴do.	260	631	³ 2,329	3,718	6,338	(⁶)
Total new supply ⁵do.	684,345	646,555	532,933	435,169	438,374	(⁶)
Carpet wool, imports ²do.	126,149	165,269	188,046	144,767	185,958	192,827

¹ Price received by farmers. Weighted season average 1946 to date, weighted calendar average earlier years. Season April–March.

² Actual weight. Imports for consumption beginning 1934, general imports prior thereto. For 1941 and earlier years, carpet wool includes only Donskoi, Smyrna, East Indian, Chinese, and similar wools without merino or English blood, and through 1933, includes camel hair; apparel wool includes all other wools. For 1942 and thereafter, carpet wool includes all duty-free wool and apparel wool includes all dutiable wool.

³ For 1942-1946, excludes a total of 506 million pounds of duty-free wool imported and stored in this country largely for the British Government, and later re-exported; not available to domestic mills.

⁴ Includes hair of angora goat, alpaca, and other like animals. Includes a small amount of carpet wool beginning 1943.

⁵ Production, minus exports, plus imports; stocks not taken into consideration. ⁶ Scoured basis.

⁷ Includes an allowance for wool under loan.

⁸ Weighted average price for wool sold April 1956–January 1957. ⁹ Not available.

Source: Department of Agriculture, Agricultural Marketing Service; annual report, *Agricultural Statistics*. Exports and imports from Department of Commerce, Bureau of the Census.

No. 1040.—WOOL CONSUMED IN MANUFACTURES: 1925 TO 1956

[In millions of pounds. Scoured wool, plus greasy wool reduced to a scoured basis, assuming average yields varying with class, origin, grade, and whether shorn or pulled. See also *Historical Statistics*, series J 176]

YEAR	SCOURED BASIS			YEAR	SCOURED BASIS			YEAR	SCOURED BASIS		
	Total	Ap-parel class ¹	Car-pet class		Total ²	Ap-parel class ¹	Car-pet class		Total ²	Ap-parel class ¹	Car-pet class
1925.....	340.9	251.7	98.2	1936.....	406.1	299.8	106.3	1947.....	608.3	525.9	172.4
1926.....	342.7	254.7	88.0	1937.....	380.8	274.2	106.6	1948.....	693.1	485.2	207.9
1927.....	354.1	258.7	95.4	1938.....	284.5	219.6	64.9	1949.....	500.4	339.0	161.4
1928.....	333.2	232.4	100.8	1939.....	396.5	293.1	103.4	1950.....	634.8	436.9	197.9
1929.....	368.1	253.2	114.9	1940.....	407.9	310.0	97.9	1951.....	484.1	382.1	102.0
1930.....	263.2	200.7	62.5	1941.....	648.0	514.4	133.6	1952.....	466.4	346.8	119.6
1931.....	311.0	237.7	73.3	1942.....	603.6	560.5	43.1	1953.....	494.0	358.0	135.9
1932.....	230.1	188.5	41.6	1943.....	636.2	603.3	32.9	1954.....	380.8	266.3	114.5
1933.....	317.1	245.5	71.6	1944.....	622.8	577.0	45.8	1955.....	413.8	281.2	132.6
1934.....	229.6	167.6	62.1	1945.....	645.1	589.2	55.9	1956 (prel.)	439.4	295.7	143.7
1935.....	417.5	319.0	98.5	1946.....	737.5	609.6	127.9				

¹ Wool regarded as more or less suitable for apparel purposes; formerly "Combing and clothing."

² Beginning 1946, includes raw wool consumed on woollen and worsted systems only. Raw wool consumed on cotton and other systems and by felt and batting manufactures amounted to about 10 million pounds in 1946.

Source: Department of Commerce, Bureau of the Census; monthly data are published in *Facts for Industry*, Series M22D.

No. 1041.—WOOL MANUFACTURING EQUIPMENT IN PLACE, 1943 TO 1955, AND BY REGION AND STATE, 1955

[Data as of end of year, except as noted. Machinery in place is that which is set up in operating position]

YEAR, REGION, AND STATE	Worsted combs	Woolen spinning spindles	Worsted spinning spindles	Woolen and worsted looms	WOOL CARPET AND RUG LOOMS	
					Broad	Narrow
1943	2,582	1,653,550	1,957,593	42,213	2,422	3,488
1947	2,656	1,561,198	1,920,542	38,572	2,329	3,354
1948	2,679	1,535,127	1,863,335	38,146	2,359	3,209
1949	2,720	1,423,860	1,836,744	37,493	2,307	2,901
1950	2,808	1,308,139	1,814,430	36,337	2,338	2,556
1951	2,859	1,233,468	1,811,394	34,817	2,245	2,219
1952	2,694	1,127,077	1,691,088	33,811	2,225	2,262
1953 ¹	2,738	1,067,328	1,651,356	31,008	2,209	2,262
1954 ²	(2)	(2)	(2)	(2)	5,411	
1955						
United States	2,060	817,820	950,486	21,969	(2)	
New England	1,283	408,863	448,466			
Connecticut	(3)	64,779	18,096			
Maine		66,166	15,656			
Massachusetts	687	179,443	105,032			
New Hampshire	(3)	49,989	70,280			
Rhode Island	458	20,624	239,382			
Vermont		24,862				
Middle Atlantic	306	184,815	152,494			
New Jersey	143	33,188	70,656			
New York	40	80,942	28,032			
Pennsylvania	123	70,685	53,806			
Southern ⁴	398	133,894	269,288			
North Central ⁵	(3)	79,520	(3)			
Western ⁶	(3)	10,728	(3)			

¹ End of June, except woolen and worsted looms.

² Not available.

³ Not shown separately to avoid disclosure of individual company data.

⁴ Ala., Del., Ga., Ky., N. C., S. C., Tenn., Texas, Va., W. Va., Md., and Okla.

⁵ Ill., Ind., Iowa, Mich., Minn., Mo., Ohio, S. Dak., and Wis.

⁶ Calif., Oreg., Utah, Wash., and Wyo.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M22E, and a special tabulation from Series M15A, M15C, and M15L.

No. 1042.—KNIT GOODS: CLOTH, UNDERWEAR, AND OUTERWEAR—PRODUCTION BY TYPE: 1947 TO 1955

PRODUCT	Unit	1947	1950	1952	1953	1954	1955
Knit cloth for sale ¹	Million lb.	152.6	162.8	170.5	164.2	165.0	176.9
Warp knit fabrics	do	41.5	47.2	52.7	47.2	49.5	53.4
Circular knit fabrics	do	111.1	115.6	117.8	116.9	115.5	123.5
Knit underwear and nightwear:							
Made from warp knit fabrics, all fibers	1,000 doz.	7,708	16,617	21,581	24,793	25,701	
Made from circular knit fabrics:							
Rayon, silk, and synthetics	do	10,932	12,371	9,508	9,342	12,176	
Cotton and wool	do	40,557	48,271	41,930	44,945	43,580	
Knit outerwear:							
Sweaters, jackets, and jerseys	do	6,677	8,733	8,228	8,921	9,041	
Bathing suits and trunks	do	500	328	225	348	315	
Knit headwear and neckwear	do	1,556	1,599	1,881	1,916	1,814	

¹ Beginning 1950, represents shipments.

² Excludes men's nightwear.

³ Not available.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures reports and *Facts for Industry*, Series M15K, M22K, M67C, and M67G.

MANUFACTURES

No. 1043.—WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR—SELECTED GARMENTS
CUT: 1939 TO 1956

TYPE OF GARMENT	Unit	1939	1947	1950	1953	1954 (prel.)	1955 (prel.)	1956 (prel.)
Blouses.....	1,000 dozens.....	2,886	7,496	10,764	13,302	14,040	14,133	13,002
Unit price dresses.....	1,000 units.....	194,383	{ 127,791	139,607	142,876	140,580	146,002	147,643
Dozen price dresses.....	do.....		75,456	9,097	9,703	9,487	10,515	9,260
Suits.....	do.....	4,237	14,352	18,048	14,264	13,759	15,651	12,764
Skirts.....	1,000 dozens.....	1,084	2,020	4,784	6,072	6,311	6,901	7,319
Untrimmed coats.....	1,000 units.....	17,428	{ 18,956	22,598	22,703	25,464	25,607	26,811
Fur-trimmed coats.....	do.....		1,924	2,105	1,330			

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry*, Series M67H.

No. 1044.—MEN'S AND BOYS' CLOTHING—SELECTED GARMENTS CUT: 1939 TO 1956
[Leaders indicate comparable data not available]

TYPE OF GARMENT	Unit	1939	1947	1950	1953	1954 (prel.)	1955 (prel.)	1956 (prel.)
Suits.....	1,000 units.....	27,354	28,882	27,145	24,532			
Men's.....	do.....	24,737	26,428	25,695	21,665	19,301	21,231	21,919
Boys'.....	do.....	2,617	2,454	3,450	2,867			
Separate trousers.....	do.....	60,905	65,819	70,022	156,112	163,504	160,648	
Separate coats.....	do.....	5,286	8,855	20,127				
Men's and youths'.....	do.....	4,760	7,039	7,510				
Boys'.....	do.....	526	1,816	2,617				
Dress and sport shirts, men's.....	1,000 dozens.....	13,362	17,042	18,100	22,362	20,229	22,060	22,227
Overalls.....	do.....	3,973	6,807	9,824	9,988			
Men's and youths'.....	do.....		4,241	6,100	6,046			
Boys'.....	do.....		2,666	3,724	3,942			
Work shirts (includes flannel).....	do.....	6,850	5,815	5,796	5,642			
Men's.....	do.....	4,959	5,471	5,196	4,656	4,410	4,405	
Boys'.....	do.....		856	325	446			

¹ Men's only.

² Includes 35,000 units produced by manufacturers not canvassed in 1952.

Source: Department of Commerce, Bureau of the Census; monthly data published in *Facts for Industry*, Series M67B.

No. 1045.—SHOES AND SLIPPERS—PRODUCTION, BY CLASS: 1939 TO 1956

[In thousands of pairs. Excludes rubber footwear]

CLASS	1939	1947	1950	1953	1954	1955	1956 (prel.)
Shoes and slippers.....	425,259	484,964	522,532	532,031	530,367	582,233	592,181
Footwear, except slippers.....	385,590	437,312	464,506	472,361	473,463	514,511	521,172
Shoes and sandals.....	385,596	429,923	456,611	466,058	465,173	506,717	511,774
Men's.....	104,762	2 107,486	103,361	100,735	94,712	103,493	107,005
Youths' and boys'.....	17,816	19,829	16,721	18,134	19,684	21,784	21,517
Women's.....	168,777	3 212,381	236,059	257,872	245,071	269,393	260,664
Misses'.....	46,091	{ 27,026	32,706	38,571	36,894	40,387	43,956
Children's.....		27,035	29,173	32,874	31,939	33,780	31,886
Infants'.....		21,664	24,747	25,235	36,873	37,880	37,746
Babies'.....		14,502	13,844	12,637			
Athletic shoes.....	4,144	4,233	3,644	3,309	3,529	4,407	5,727
Other footwear.....	(6)	3,150	4,251	2,994	4,761	3,387	3,671
Slippers for housewear.....	49,663	47,652	58,026	59,670	56,904	67,722	71,009

¹ Includes 19,874,000 pairs of playshoes and other footwear not shown separately.

² Includes 743,000 pairs of men's, youths' and boys' playshoes.

³ Includes 29,565,000 pairs of women's and misses' playshoes.

⁴ Includes 758,000 pairs of infants' and babies' playshoes.

⁵ Included in "Shoes and sandals, total."

Source: Department of Commerce, Bureau of the Census; 1939, 1947, and 1954 Censuses of Manufactures reports, and *Facts for Industry*, Series M68A.

No. 1046.—HOSIERY—PRODUCTION, BY TYPE: 1945 TO 1956

[In thousands of dozens of pairs]

TYPE	1945	1950	1952	1953	1954	1955	1956
Total, all types	135,841	160,486	163,264	158,788	151,818	151,996	145,682
Women's full-fashioned, total	34,740	51,585	51,806	50,657	48,832	47,250	43,856
Nylon	3,056	51,032	51,455	50,384	48,537	46,981	43,624
Other	31,684	553	351	323	295	269	232
Seamless, total	101,100	108,901	111,458	108,131	102,988	104,746	101,826
Women's seamless, total	7,420	7,449	7,672	8,552	9,742	12,655	16,318
Nylon	216	4,303	5,115	6,272	7,845	10,662	14,604
Rayon	3,972	1,161	896	713	580	506	409
Cotton	2,474	1,619	1,381	1,259	1,095	1,209	1,052
Other	758	366	280	308	222	218	253
Men's full-fashioned	118	35	43	36	38	25	22
Men's seamless half-hose, total	35,090	14,019	14,369	11,904	9,976	8,884	8,044
Nylon	6	605	678	503	1,159	1,134	1,389
Rayon	8,180	4,281	3,014	2,641	1,481	1,178	937
Cotton	14,875	7,271	8,049	6,723	5,762	5,375	4,707
Wool	11,969	1,862	2,621	2,030	1,552	1,143	941
Synthetics, other			7	7	22	54	70
Men's slack socks, total	13,564	32,434	32,299	31,525	31,905	32,421	29,044
Nylon	(1)	3,058	4,009	5,163	8,025	9,486	8,924
Rayon	(1)	7,802	6,071	5,178	3,809	2,974	2,611
Cotton	(1)	20,291	20,868	19,820	18,935	18,261	15,729
Wool	(1)	1,303	1,144	1,184	909	1,543	1,624
Synthetics, other			207	230	137	157	156
Cotton bundle goods	5,248	5,511	4,723	4,291	4,426	4,326	4,535
Woolen bundle goods	3,704	1,547	1,603	1,267	1,098	1,421	1,575
Athletic socks	847	2,354	1,840	1,797	1,798	2,106	2,086
Crew socks	(2)	3,082	2,953	2,966	2,366	2,148	2,133
Children's and infants'	6,281	9,465	10,979	9,771	8,118	8,563	8,251
Anklets, total	28,888	32,557	34,627	35,790	33,381	32,108	29,770
Misses' and women's	18,816	14,183	14,427	15,279	13,809	12,847	11,448
Men's and boys'	1,986	4,190	5,046	5,351	5,436	5,168	4,498
Children's	(3)	8,130	9,224	9,449	9,621	9,490	9,298
Infants'	8,085	6,054	5,930	5,711	4,515	4,603	4,526
All other		448	350	282	188	89	48

¹ Not available.² Included with men's slack socks.³ Included with infants' anklets.Source: National Association of Hosiery Manufacturers, New York, N. Y.; published annually in *Hosiery Statistics*.

No. 1047.—LEATHER—PRODUCTION, BY PRINCIPAL TYPES OF RAW STOCK: 1937 TO 1956

[Cattle hide in thousands of hides, other figures in thousands of skins]

YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb ¹	YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb ¹
1937	22,880	12,027	46,554	34,232	1947	28,813	12,471	37,256	36,555
1938	19,047	12,991	31,905	28,941	1948	26,071	10,484	37,931	33,532
1939	22,095	14,027	40,419	39,384	1949	28,388	10,173	34,752	28,736
1940	21,013	11,357	37,697	37,920	1950	24,385	10,659	37,183	31,397
1941	28,099	13,098	45,355	51,865	1951	22,708	7,962	31,091	24,604
1942	30,822	12,264	41,122	53,634	1952	22,675	9,964	30,427	27,916
1943	25,656	11,112	37,351	59,315	1953	24,053	9,958	32,142	28,173
1944	26,114	10,930	34,666	53,950	1954	24,089	9,372	26,470	23,796
1945	27,576	11,636	24,026	51,847	1955	25,800	10,393	26,091	26,206
1946	27,033	10,882	24,137	47,971	1956	2,25,755	3 8,546	24,840	26,377

¹ Prior to 1940, includes skivers and excludes fleshers; beginning 1940, includes fleshers and excludes skivers.² Includes side kips.³ Includes whole kips.Source: Tanners' Council of America. Monthly figures published in *Survey of Current Business*.

No. 1048.—RUBBER (NATURAL, RECLAIMED, AND SYNTHETIC)—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1945 TO 1956

[In tons of 2,240 pounds. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises GR-S, Neoprene, Butyl, and Butadiene-Acrylonitrile; reclaimed comprises both natural and synthetic rubber reclaims]

ITEM	1945	1950	1951	1952	1953	1954	1955	1956
New supply								
Domestic production	1,209,761	1,618,108	1,956,543	1,899,013	1,807,171	1,495,054	1,945,733	1,953,788
Natural	1,064,218	789,190	1,211,092	1,071,952	1,143,991	879,940	1,296,382	1,366,378
Reclaimed	243,309	313,006	365,933	273,386	295,550	257,088	325,914	286,804
Synthetic	820,373	476,184	845,159	793,566	848,441	622,852	970,408	1,079,574
Imports	145,543	828,118	745,451	827,061	663,180	615,114	649,361	587,410
Natural	135,136	802,138	734,599	805,575	647,614	597,200	637,577	579,217
Reclaimed	(1)	1,059	767	1,595	2,786	1,013	735	416
Synthetic	10,407	25,721	10,085	19,891	12,780	16,901	11,039	7,777
Distribution	1,143,979	1,590,324	1,587,015	1,577,720	1,665,954	1,529,853	1,960,813	1,881,331
Domestic consumption	1,040,045	1,562,290	1,560,419	1,541,415	1,623,359	1,482,061	1,842,480	1,707,029
Natural	105,429	720,268	454,015	453,846	553,473	596,285	634,800	562,088
Reclaimed	241,036	303,733	347,507	280,532	285,050	249,049	312,781	270,547
Exports	103,934	28,034	26,596	36,305	42,595	47,792	118,333	174,302
Natural	6,743	8,640	2,603	3,024	8,376	7,443	10,611	11,302
Reclaimed	13,413	11,741	14,744	11,180	11,597	10,232	13,988	13,832
Synthetic	85,778	7,653	9,249	22,101	22,622	30,117	93,734	149,168
Stocks, end of year ²	350,324	177,681	251,603	244,911	320,480	285,684	279,342	354,034
Natural	118,715	89,215	76,569	95,260	112,316	104,543	110,105	116,469
Reclaimed	28,155	35,708	45,082	30,664	32,319	30,746	31,498	34,969
Synthetic ³	203,454	52,758	120,952	118,087	175,845	150,395	137,739	202,566

¹ Less than 0.5 long tons.

² Differences between "new supply" and "distribution" not precisely comparable with "stocks" due to year-end and inventory adjustments.

³ Includes stocks shipped for export which had not yet cleared port.

Source: Department of Commerce, Business and Defense Services Administration. Monthly data published in *Survey of Current Business*.

No. 1049.—SYNTHETIC ORGANIC CHEMICALS—PRODUCTION AND SALES, BY GROUP: 1953 TO 1955

[Production and sales in millions of pounds; sales value in millions of dollars]

GROUP	1953			1954			1955		
	Production	Sales	Sales value	Production	Sales	Sales value	Production	Sales	Sales value
Synthetic organic chemicals	29,129	15,637	4,030	28,445	15,732	3,977	35,334	19,593	4,907
Cyclic	9,637	6,072	2,011	9,174	5,764	1,970	12,123	7,582	2,486
Intermediates	4,699	1,874	341	4,614	1,793	320	6,016	2,285	408
Dyes	166	152	168	143	137	160	168	156	184
Color index	117	108	90	101	95	84	119	111	97
Prototype	33	30	50	29	30	50	33	30	54
Ungrouped	16	14	28	13	13	27	16	15	33
Toners and lakes	44	37	56	40	35	54	44	38	64
Medicinals	51	41	381	49	40	400	62	51	436
Flavor and perfume materials	18	17	21	22	18	27	24	20	31
Plastics and resin materials	1,605	1,317	363	1,588	1,331	360	2,021	1,650	439
Rubber-processing chemicals	122	85	48	110	85	51	148	121	70
Elastomers (synthetic rubbers)	1,415	1,387	319	973	1,029	242	1,643	1,644	402
Plasticizers	224	180	60	228	186	57	296	253	72
Surface-active agents	594	438	73	640	577	120	764	705	143
Pesticides and other organic agricultural chemicals	297	282	99	358	279	102	429	354	126
Miscellaneous	402	262	83	409	255	77	506	306	105
Acylic	19,491	9,565	2,019	19,271	9,968	2,007	23,211	12,012	2,422
Medicinals	16	13	28	17	13	26	17	18	29
Flavor and perfume materials	15	15	25	13	13	20	18	16	22
Plastics and resin materials	1,171	1,055	475	1,240	1,166	496	1,718	1,569	633
Rubber-processing chemicals	23	18	12	20	16	12	29	22	15
Elastomers (synthetic rubbers)	543	522	210	462	468	194	568	549	243
Plasticizers	69	55	23	73	62	25	100	85	32
Surface-active agents	328	294	72	386	336	76	889	361	93
Pesticides and other organic agricultural chemicals	59	52	20	62	57	22	77	61	27
Miscellaneous	17,267	7,542	1,153	16,999	7,837	1,136	20,296	9,330	1,322

Source: U. S. Tariff Commission; annual report, *Synthetic Organic Chemicals, United States Production and Sales*.

No. 1050.—CHEMICALS—PRODUCTION, BY KIND: 1947 TO 1956

[Data for chemicals shown are restricted to a selected group comprised for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Includes data for chemicals produced by Tennessee Valley Authority, but excludes data for Government-owned privately operated plants, except as noted]

CHEMICAL	UNIT	1947	1950	1955	1956 (prel.)
Ammonia, synthetic anhydrous	Short tons	1,114,000	1,565,569	3,251,599	3,336,857
Ammonium nitrate, original solution (100% NH ₄ NO ₃)	do	1,086,869	1,213,911	12,078,902	12,237,673
Ammonium sulfate, synthetic (technical) *	do	196,848	1,187,721	1,172,779	1,086,836
Calcium carbide (commercial)	do	607,113	671,492	874,948	1,024,571
Calcium phosphate, dibasic (100% CaH ₂ PO ₄)	do	41,323	53,046	164,539	155,327
Carbon, activated *	do	35,548	37,921	48,518	53,844
Carbon dioxide:					
Liquid and gas and solid (dry ice) *	do	477,800	639,906	797,266	827,504
Chlorine, gas *	do	1,443,219	2,084,161	3,421,107	3,785,631
Chrome green (C. P.)	do	6,991	7,688	6,586	5,233
Chrome yellow and orange (C. P.)	do	23,235	27,098	27,059	25,604
Hydrochloric acid (100% HCl)	do	442,553	618,784	838,249	911,430
Hydrofluoric acid, anhydrous and technical (100% H ₂ F ₂)	do	27,933	35,174	66,637	75,500
Hydrogen	Mil. cu. ft.	21,185	45,163	835,831	87,715
Methanol (natural) (100% CH ₃ OH)	M gallons	2,598	2,082	2,200	2,281
Molybdate chrome orange (C. P.)	Short tons	2,238	3,905	6,289	6,087
Nitric acid (100% HNO ₃)	do	1,189,411	1,335,718	12,592,191	12,574,143
Oxygen	Mil. cu. ft.	14,420	17,848	29,300	31,609
Phosphoric acid, total (50% H ₃ PO ₄)	Short tons	1,012,971	1,640,599	3,525,385	3,573,025
Silver nitrate (100% AgNO ₃)	M ounces	38,336	55,549	65,955	71,419
Soda ash (commercial sodium carbonate):					
Synthetic (58% Na ₂ O):					
Total crude bicarbonate equivalent *	Short tons	4,524,668	3,991,199	4,906,971	4,997,579
Finished light *	do	2,206,590	2,049,806	2,701,220	2,655,306
Finished dense *	do	1,629,406	1,410,110	1,768,749	1,934,513
Natural (Na ₂ CO ₃ equivalent) ¹⁰	do	276,428	338,379	689,286	661,522
Sodium bicarbonate (refined) (58% Na ₂ O)	do	124,611	101,365	112,429	105,463
Sodium bichromate and chromate	do	90,285	89,829	118,524	120,784
Sodium hydroxide (caustic soda):					
Liquid (100% NaOH) ¹¹	do	2,103,150	2,510,720	3,915,169	4,212,566
Solid (100% NaOH)	do	493,357	438,378	516,426	584,175
Sodium phosphate:					
Monobasic (100% Na ₂ H ₂ PO ₄)	do	14,690	15,703	12,8,568	12,8,411
Dibasic (100% Na ₂ HPO ₄)	do	78,806	158,756	12,20,417	12,28,366
Tribasic (100% Na ₃ PO ₄)	do	88,568	66,801	51,846	48,732
Meta (100% NaPO ₃)	do	30,460	39,412	57,597	59,375
Tetra (100% Na ₄ P ₂ O ₇)	do	56,641	85,657	102,761	102,478
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous)	do	492,837	486,203	620,168	644,411
Sodium sulfate:					
Anhydrous (refined) (100% Na ₂ SO ₄)	do	134,969	184,254	256,549	298,878
Glauber's salt (100% Na ₂ SO ₄ .10H ₂ O) ¹⁰	do	202,285	185,626	149,177	128,543
Salt cake (crude) (commercial) ¹⁰	do	693,517	561,395	1,737,599	1,725,723
Sulfuric acid, gross (100% H ₂ SO ₄) ¹²	do	10,780,166	13,029,359	15,955,535	16,025,476
Zinc yellow (zinc chromate) (C. P.)	do	3,476	4,565	6,383	6,525

¹ Includes data for Government-owned privately operated plants.

² Excludes byproduct coke-oven production. Data for 1950 to 1955 include synthetic ammonium sulfate produced in coke plants.

³ Includes data for decolorizing and water purification grades only.

⁴ Liquid and gas excludes quantities produced and consumed in the same plants manufacturing soda ash.

⁵ Total production including quantities liquefied for use, storage, or shipment.

⁶ Excludes quantities produced and consumed in manufacture of methanol and ammonia but includes an unspecified amount of hydrogen produced for sale or interplant transfer to plants consuming this gas in production of ammonia.

⁷ Ammonia soda and caustic carbonation processes.

⁸ Includes quantities diverted to manufacture of caustic soda and sodium bicarbonate and quantities processed to finished light and finished dense soda ash.

⁹ Excludes quantities converted to finished dense soda ash.

¹⁰ Collected in cooperation with Bureau of Mines.

¹¹ Liquid production figures represent total production for electrolytic and lime soda processes, including quantities later evaporated to solid caustic and reported as such.

¹² Represents quantities produced only for sale or interplant transfer.

¹³ Includes sulfuric acid of oleum grades.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports; 1950-55 compiled from manufacturers' reports and published in *Facts for Industry*, Series M19A.

No. 1051.—INDUSTRIAL EXPLOSIVES SOLD FOR CONSUMPTION IN THE UNITED STATES: 1930 TO 1955

[In thousands of pounds. Excludes exports]

YEAR	Total	Permissible explosives ¹	High explosives other than permissible	Black blasting powder	USE	Total	Permissible explosives ¹	High explosives other than permissible	Black blasting powder
1930	445,090	53,826	291,391	99,873	1954	2715,955	75,863	612,054	10,297
1931	314,768	39,208	206,625	68,935	Coal mining	3205,011	74,989	108,048	4,274
1932	308,381	39,170	200,324	68,888	Metal mining	146,042	78	145,954	10
1933	391,605	47,859	262,047	81,698	Quarrying and nonmetallic mineral mining	4170,886	610	169,565	670
1934	404,744	49,579	288,924	66,241	Railway and other construction work	179,713	119	175,171	4,423
1935	332,130	41,858	238,576	51,695	All other purposes	14,303	67	13,316	920
1936	386,438	49,050	278,250	58,237	1955	2806,878	93,718	687,226	6,624
1937	423,360	58,436	305,180	59,754	Coal mining	239,095	92,657	123,651	3,539
1938	481,927	70,612	351,857	59,458	Metal mining	168,628	125	168,483	20
1939	499,255	84,022	350,699	55,534	Quarrying and nonmetallic mineral mining	196,533	754	195,185	532
1940	477,651	92,656	338,573	46,422	Railway and other construction work	189,082	104	187,456	1,522
1941	464,111	102,538	318,613	42,960	All other purposes	13,540	78	12,451	1,011
1942	457,311	97,407	322,956	36,948					
1943	536,315	100,258	399,233	36,824					
1944	2651,301	122,349	476,017	36,464					
1945	2725,227	126,282	550,086	33,240					
1946	2631,230	91,630	505,301	20,077					
1947	2719,841	109,420	578,962	20,655					
1948	2753,821	108,258	611,236	13,985					
1949	2764,718	95,460	636,741	10,602					
1950	2790,811	93,879	668,952	9,515					
1951	2715,955	75,863	612,054	10,297					
1952	2806,878	93,718	687,226	6,624					

¹ Represents type of high explosives approved by Bureau of Mines as suitable for safe use in coal mines provided specifications of use are followed.

² Includes 16,562,000 pounds liquid oxygen explosive in 1947, 15,620,000 in 1948, 13,922,000 in 1949, 13,804,000 in 1950, 20,341,000 in 1951, 21,915,000 in 1952, 22,465,000 in 1953, 17,741,000 in 1954, and 19,310,000 in 1955.

³ Includes 17,700,000 pounds liquid oxygen explosive in 1954, and 19,248,000 in 1955.

⁴ Includes 41,000 pounds liquid oxygen explosive in 1954, and 62,000 in 1955.

Source: Department of the Interior, Bureau of Mines; *Consumption of Industrial Explosives*.

No. 1052.—ASPHALT AND TAR ROOFING AND SIDING PRODUCTS—SHIPMENTS: 1949 TO 1956

PRODUCT	1949	1950	1951	1952	1953	1954	1955	1956
Asphalt roofing— Smooth-surfaced— Mineral-surfaced— Strip shingles— Individual shingles—	1,000 squares do— do— do— do—	52,357 13,038 12,510 28,573 3,236	65,024 14,377 14,116 32,109 4,422	59,117 13,577 13,961 27,401 4,178	57,938 12,459 13,704 27,806 3,969	56,703 12,084 12,964 27,411 4,244	59,132 11,591 12,910 30,149 4,482	62,582 11,502 12,902 33,915 4,263
Asphalt sidings— Roll form— Shingle form—	do— do— do—	2,499 2,090 409	2,009 1,659 350	2,078 1,754 324	1,858 1,540 318	1,557 1,277 280	1,428 1,175 252	1,288 1,066 223
Insulated brick siding, all types and finishes— Asphalt board products—	1,000 squares 1,000 sq. ft.—	2,188 32,184	2,402 48,376	2,411 56,200	2,718 45,933	2,794 43,840	2,207 32,628	2,195 36,641
Saturated felts— Asphalt— Ter—	short tons— do— do—	541,947 462,769 79,178	720,951 620,579 100,372	747,562 622,606 124,956	707,301 598,199 109,102	773,349 648,274 125,075	869,755 732,770 136,985	1,038,819 905,005 133,814
Saturated and coated sheathings	short tons—	10,284	12,025	13,571	9,587	9,609	10,066	9,723
								10,603

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M26D.

No. 1053.—PRESSED AND BLOWN GLASSWARE—VALUE OF SHIPMENTS, BY CLASS:
1951 TO 1956

[In thousands of dollars. Comprises products manufactured from glass produced in reporting establishment]

CLASS	1951	1952	1953	1954	1955	1956
Total value.....	324,939	324,599	361,865	379,754	378,279	390,975
Tumblers, goblets, and other stemware.....	54,133	52,885	55,279	54,713	55,230	57,090
Cooking ware ¹	12,550	14,920	14,807	13,434	18,640	19,852
Ornamental, decorative, novelty glassware, and smokers' accessories.....	12,583	12,785	13,659	14,647	14,089	15,758
Lighting glassware.....	108,102	115,831	146,549	156,893	158,793	156,693
Electric-light bulb and electronic-tube blanks (including radio, television, X-ray, radar, and special tubes and parts).....	82,817	92,870	123,872	121,903	125,371	120,795
Bowls, all types.....	3,387	2,972	2,311	2,230	2,414	2,613
Enclosing globes, all types.....	3,379	3,005	2,825	3,865	3,198	3,253
Shades, reflectors, and torcheres.....	5,416	4,654	4,682	4,448	4,735	4,715
Railroad, marine, and traffic lighting glassware.....	1,359	1,186	1,292	2,409	1,818	2,563
Lamp chimneys.....	1,334	1,335	1,246	1,274	1,215	1,271
Lantern globes (oil and electric).....	967	675	810	801	944	859
All other lighting glassware.....	9,443	9,134	9,511	19,963	19,098	20,624
All other pressed and blown glassware, except glass containers ²	137,571	128,178	131,571	140,067	128,427	141,582

¹ Heat-resistant, heat-treated, and annealed.

² Comprises tubing (except fluorescent and neon) and technical, scientific, and industrial glassware.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M77E and M32E.

No. 1054.—GLASS CONTAINERS—DIRECT EXPORTS AND DOMESTIC PRODUCTION AND SHIPMENTS, BY KIND: 1953 TO 1956

[In thousand gross]

ITEM	1953		1954		1955		1956	
	Production	Shipments	Production	Shipments	Production	Shipments	Production	Shipments
Total.....	128,892	127,516	126,898	124,649	138,470	137,228	141,631	140,519
Direct exports.....		3,112		2,779		2,804		2,966
Domestic production and shipments:								
Narrow-neck.....	81,610	78,346	79,132	75,640	86,596	83,523	88,985	86,086
Food.....	12,614	12,745			14,337		14,927	
Medicinal and health supplies.....	13,980	14,629			15,839		16,065	
Household and industrial.....	9,079	9,276			9,624		9,682	
Toiletries and cosmetics.....	7,839	8,918			9,662		9,487	
Beverage, returnable.....	9,563	7,163			8,889		9,608	
Beverage, nonreturnable.....	929	873	1,087	963	1,267	1,177	1,185	1,188
Beer, returnable.....	3,357	2,934	2,561	2,125	2,723	2,444	2,851	2,478
Beer, nonreturnable.....	8,896	8,636	7,739	7,729	8,256	8,011	8,059	8,232
Liquor.....	9,775	9,205	9,325	8,709	9,737	9,274	10,812	10,115
Wine.....	4,240	4,206	4,457	4,242	4,711	4,590	4,877	4,673
Wide-mouth.....	47,282	46,058	47,766	46,230	51,874	50,901	52,646	51,467
Food ¹	31,664	33,150			36,864		37,574	
Medicinal and health supplies.....	4,730	4,648			4,682		5,146	
Household and industrial.....	41,800	42,870			47,159		48,633	
Toiletries and cosmetics.....	1,910	1,855			2,087		2,162	
Dairy products.....	2,375	1,863			2,611		2,673	
Packers' tumblers.....	3,364	3,367	2,945	2,778	2,854	2,791	2,687	2,612
	2,118	2,012	1,951	1,936	1,881	1,866	1,326	1,300

¹ Includes fruit jars and jelly glasses.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M77C.

No. 1055.—REFRACTORIES—SHIPMENTS: 1953 TO 1955

PRODUCT	UNIT	1953		1954		1955	
		Quantity	Value f. o. b. plant	Quantity	Value f. o. b. plant	Quantity	Value f. o. b. plant
Clay refractories			\$1,000 159,663		\$1,000 129,086		\$1,000 130,621
Fire-clay brick, standard and special shapes, except superduty	M 9" equiv.	542,568	67,051	394,649	51,205	495,859	63,960
Superduty fire-clay brick, standard and special shapes	do	69,184	12,754	61,738	11,891	74,272	15,137
Insulating fire-brick, standard and special shapes	do	48,740	9,925	87,090	7,647	54,178	11,196
High-alumina brick, standard and special shapes (50% Al ₂ O ₃ and over, except fused alumina and mullite)	do	16,230	5,337	15,818	5,151	21,132	7,138
Ladle brick	do	236,230	16,905	169,273	12,915	234,158	19,664
Glass-house pots, tank blocks, upper structure, and floaters	Short tons	16,299	3,262	15,022	2,716	18,362	3,602
Hot-top refractories	M 9" equiv.	60,133	6,368	32,347	4,537	50,679	7,104
Sleeves, nozzles, runner brick, and tuyeres	do	56,946	8,565	43,427	6,993	58,976	10,352
High-temperature bonding mortars	Short tons	76,229	6,727	88,519	8,123	83,389	8,420
Plastic refractories	do	109,243	5,868	92,613	5,125	139,357	9,232
Cast and castables (hydraulic setting)	do	87,060	7,309	70,511	6,095	92,948	8,642
Ground crude fire clay and high-alumina material	do	376,386	4,952	(2)	(2)	740,205	7,284
Other clay refractories			4,550		6,088		8,890
Nonclay refractories		164,704		127,621		188,038	
Silica brick and shapes	M 9" equiv.	338,043	54,033	226,402	37,875	328,414	55,553
Magnesite and magnesite-chrome brick and shapes	do	41,288	25,019	31,351	18,939	53,153	32,093
Chrome and chrome-magnesite brick and shapes	do	54,709	28,638	35,783	18,773	54,101	28,771
Graphite and other carbon crucibles and retorts	Short tons	12,130	7,691	9,980	5,522	12,721	7,925
Other graphite and carbon refractories	do	1,618	908				
High-temperature bonding mortars	do	50,522	6,536	76,686	7,961	111,920	10,027
Plastic refractories	do	164,872	12,991	98,867	8,252	202,609	17,704
Dead-burned magnesia and magnesite	do	353,000	317,177	(2)	(2)	(2)	(2)
Other nonclay standard and special shapes			22,068		22,958		26,444
Other nonclay refractory materials sold in lump or ground form			6,823		7,341		9,511

¹ Excludes value of ground crude fire clay, high-alumina clay, and silica fire clay.² Not available. ³ Excluded from total to avoid duplication.Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M27C.

No. 1056.—STRUCTURAL CLAY PRODUCTS—PRODUCTION AND SHIPMENTS, BY KIND: 1950 TO 1954

PRODUCT	1950	1951	1952	1953	1954
Unglazed brick, common and face:					
Production	1,000 standard bricks	6,333,260	6,825,303	5,888,738	5,873,850
Shipments: Quantity	do	6,486,332	6,306,561	5,642,239	5,771,211
Value	\$1,000	164,470	170,743	154,881	162,752
Hollow facing tile, glazed and unglazed:					
Production	1,000 brick equivalent	434,003	484,698	418,479	455,690
Shipments: Quantity	do	432,027	467,767	389,376	444,294
Value	\$1,000	22,438	25,984	22,104	26,304
Unglazed structural tile:					
Production	short tons	1,294,364	1,238,683	976,986	990,383
Shipments: Quantity	do	1,816,972	1,166,879	993,910	921,985
Value	\$1,000	14,896	14,098	11,435	11,524
Vitrified clay sewer pipe:					
Production	short tons	1,549,037	1,688,493	1,649,410	1,655,132
Shipments: Quantity	do	1,567,664	1,554,711	1,548,109	1,562,986
Value	\$1,000	53,402	58,238	59,161	61,117
Floor and wall tile and accessories: ¹					
Production	1,000 square feet	124,746	146,573	132,085	137,429
Shipments: Quantity	do	127,302	141,322	123,267	134,375
Value	\$1,000	61,579	71,277	64,146	71,569
Drain tile:					
Production	short tons	627,055	688,787	819,919	817,826
Shipments: Quantity	do	627,545	655,757	815,490	793,785
Value	\$1,000	10,191	11,387	14,073	14,223

¹ Glazed and unglazed floor and wall tile, and accessories, including quarry tile. ² Not available.Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M26B.

No. 1057.—PIG IRON AND FERRO-ALLOYS—CAPACITY, PRODUCTION, AND MATERIALS USED: 1900 TO 1956

[In thousands of short tons (2,000 pounds), except number of furnaces]

ITEM	1900	1910	1920	1930	1940	1945	1950	1954	1955	1956
Blast furnaces, total number, Jan. 1	414	468	453	316	232	243	248	260	261	261
Number in blast, Jan. 1	289	338	280	165	195	218	218	210	206	247
Blast furnace capacity ¹	(2) ²	(2) ²	56,249	57,855	55,724	67,314	87,115	82,001	88,971	85,485
Blast furnace production	(2)	(2)	41,219	35,838	46,079	54,166	65,440	58,687	77,790	75,960
Percent of capacity	(2)	(2)	73.2	61.1	84.3	80.5	91.4	71.6	92.6	88.9
Pig iron	(2)	(2)	40,593	34,743	46,072	53,223	64,587	57,986	76,857	75,068
Ferro-alloys	(2)	(2)	536	594	907	943	853	721	932	891
Total production ³	15,444	30,580	41,357	35,562	47,399	54,919	66,400	59,806	79,264	77,575
By kind:										
Basic	1,201	10,175	18,746	20,601	33,988	39,867	49,880	47,023	62,485	61,639
Bessemer and low-phosphorus	8,936	12,595	18,510	8,193	7,885	8,570	8,426	5,837	7,699	7,169
Foundry (incl. ferro-silicon)	3,781	5,802	6,673	4,436	2,791	3,067	3,646	2,910	3,558	3,208
Malleable	194	944	1,468	1,760	1,832	2,380	3,181	2,630	3,531	3,467
Forge	888	632	356	57	4					
Ferromanganese, spiegeleisen, and all other	442	342	604	517	949	1,066	1,267	1,406	1,990	2,098
Materials used: ⁴										
Iron ore, briquettes, etc.	27,027	57,948	74,424	60,101	79,672	91,276	112,156	96,007	127,753	122,334
Mill cinder, scale, scrap, etc.	1,792	3,136	5,585	7,052	7,480	9,749	10,731	11,787	15,210	12,941
Coke	(2)	422	5,046	31,168	40,451	48,965	59,549	50,604	67,061	63,798
Limestone	8,313	16,271	19,964	12,431	16,678	20,863	27,708	22,896	29,738	27,174

¹ Annual capacity as of Jan. 1; capacity as of Jan. 1, 1957, was 86,817,950 short tons.² Not available. ³ Average annual capacity as of Jan. 1 and July 1.⁴ Includes ferro-alloys made in electric furnaces.⁵ Materials consumed in manufacture of pig iron only, beginning 1930. ⁶ Coke and bituminous coal.Source: American Iron and Steel Institute; *Annual Statistical Report*.No. 1058.—PIG IRON AND FERRO-ALLOYS—PRODUCTION, BY STATES: 1945 TO 1956
[In thousands of short tons (2,000 pounds)]

STATE	1945	1949	1950	1951	1952	1953	1954	1955	1956
Grand total	54,919	54,917	66,400	72,449	63,354	77,250	59,806	79,264	77,575
Pig iron	53,223	53,413	64,587	70,274	61,313	74,901	57,966	76,857	75,068
Massachusetts, New York	3,295	3,541	4,302	4,699	4,192	4,958	3,793	5,144	4,905
Pennsylvania	16,171	15,037	18,240	20,221	16,897	20,767	14,736	20,844	20,648
Maryland, West Virginia	3,519	4,383	5,203	5,339	4,651	5,696	5,459	6,094	6,087
Kentucky, Tennessee, Texas	808	1,089	1,460	1,598	1,322	1,701	1,376	1,713	1,505
Alabama	3,582	3,663	4,347	4,371	4,173	4,663	4,065	4,924	4,167
Ohio	11,259	10,640	12,510	13,710	12,270	15,148	11,185	15,370	15,127
Indiana	5,982	5,991	7,018	7,756	6,594	8,350	7,490	8,717	8,246
Illinois	5,045	4,913	6,024	6,566	5,485	6,582	4,518	6,489	6,516
Michigan, Minnesota	1,921	2,002	2,830	2,904	2,688	3,169	2,549	4,002	3,998
Colorado, Utah, California	1,642	2,154	2,653	3,112	3,041	3,867	2,795	3,561	3,869
Ferro-alloys	1,696	1,504	1,813	2,174	2,041	2,349	1,841	2,406	2,507
New York, New Jersey	449	316	392	391	276	327	186	309	256
Pennsylvania	573	467	554	658	565	664	454	580	537
Virginia, West Virginia, South Carolina	171	266	287	306	250	389	320	464	480
Tennessee	66	47	60	77	67				
Alabama	85	37	59	47	118	111	147	114	151
Ohio	204	166	198	242	470	479	441	547	654
Other States	148	206	264	454	294	379	292	383	429

Source: American Iron and Steel Institute; *Annual Statistical Report*.

No. 1059.—PIG IRON AND FERRO-ALLOYS—PRODUCTION, EXPORTS, AND IMPORTS:
1871 TO 1956

[In short tons (2,000 pounds). Prior to 1901 exports and imports are for years ending June 30 following year specified; calendar years thereafter. Imports are imports for consumption beginning with 1933. All production figures are for calendar years. For figures for earlier years, see *Abstract for 1931*.]

YEARLY AVERAGE OR YEAR	Production	Exports of domestic merchandise	Imports	YEAR	Production	Exports of domestic merchandise	Imports
1871-1875	2,518,088	8,301	154,102	1940	47,398,529	685,617	45,503
1876-1880	2,870,205	3,816	300,792	1941	56,686,604	610,729	28,844
1881-1885	4,817,228	5,948	364,325	1942	60,903,304	150,151	31,606
1886-1890	7,928,829	13,896	257,566	1943	62,769,947	231,068	28,056
1891-1895	9,108,076	25,741	61,351	1944	62,856,198	185,526	34,190
1896-1900	12,870,969	251,180	38,425	1945	54,019,026	122,819	74,193
1901-1905	20,428,425	50,921	352,537	1946	46,199,826	134,584	55,103
1906-1910	26,907,689	88,052	308,040	1947	60,117,319	92,676	231,473
1911-1915	30,520,405	226,252	148,681	1948	61,911,559	112,885	319,433
1916-1920	41,451,650	463,931	119,718	1949	54,916,788	115,971	174,878
1921-1925	34,132,119	41,444	405,785	1950	66,400,311	379,353	946,262
1926-1930	42,215,094	55,316	289,090	1951	72,448,543	83,365	1,221,175
1931-1935	17,486,488	14,521	177,424	1952	63,353,955	87,443	476,992
1936-1940	36,174,206	476,409	144,024	1953	77,250,168	61,916	762,790
1941-1945	59,629,017	260,059	39,378	1954	59,806,242	63,859	378,968
1946-1950	57,009,160	167,094	345,430	1955	79,263,865	120,096	386,189
1951-1955	70,424,555	88,336	645,223	1956	77,575,458	380,771	514,180

Source: Production, American Iron and Steel Institute; *Annual Statistical Report*. Exports and imports, Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 1060.—ROLLED AND MISCELLANEOUS IRON AND STEEL PRODUCTS—PRODUCTION, BY KIND: 1930 TO 1956

[In short tons (2,000 pounds). See also *Historical Statistics*, series J 170.]

KIND	1930	1935	1940	1945	1950	1955	1956
Hot-rolled products	33,064,568	26,840,298	48,660,369	59,811,669	75,190,581	90,657,552	89,284,917
Plates	4,102,362	1,629,987	4,323,408	7,245,888	7,386,199	8,190,979	9,432,428
Sheets	3,932,944	5,796,624	11,705,956	12,067,487	22,682,918	31,517,276	29,277,404
Black plate	2,120,144	2,307,462	521,924	941	152,605		
Strip	2,174,885	2,965,300	2,077,744	2,542,935	3,903,657	3,683,574	2,881,971
Coils for cold reduced black plate and tin plate	(1)	(1)	3,103,627	4,436,924	5,990,547	7,579,400	7,577,673
Hoops	89,425	100,634	97,074	51,891	37,331	16,333	15,522
Cotton ties and baling bands	51,737	27,685	44,918	34,216	49,211	63,705	61,230
Bars—merchant	4,627,810	4,142,944	6,459,263	9,649,412	9,352,560	10,122,787	9,898,902
Bars—concrete	952,169	624,243	1,425,998	834,806	1,832,606	2,938,074	2,750,913
Structural shapes	3,933,970	1,959,709	4,232,346	4,467,164	5,442,104	6,336,338	7,166,385
Steel piling	118,275	145,929	186,125	188,639	242,778	302,716	384,152
Rails	2,098,021	796,921	1,678,986	2,417,520	1,849,580	1,227,365	1,301,369
Splice bars and tie plate bars	679,157	300,471	615,928	856,638	655,875	472,751	448,444
Skelp	3,003,892	1,514,328	2,709,000	2,894,023	4,164,454	5,143,934	5,450,948
Blanks or pierced billets	1,397,935	1,067,776	2,320,966	3,384,489	4,031,053	4,890,824	4,908,807
Wire rods	2,630,432	2,733,689	4,351,848	4,581,157	5,819,677	6,098,293	5,608,855
Rolled forging billets	340,581	380,697	919,826	3,566,697	1,214,500	1,958,823	1,465,358
Blooms, billets, etc. for export	10,623	44,759	1,677,905	178,600	11,241	242,371	177,633
Car wheels (rolled steel)	{ 790,206	{ 83,714	191,102	291,375	260,365	315,571	337,031
All other		217,426	116,425	170,867	101,320	101,439	109,292
Miscellaneous products: ²							
Tin plate and terne plate	1,882,619	1,996,960	2,738,581	2,827,483	4,640,296	5,157,355	5,460,415
Galvanized sheets	1,170,681	1,151,743	1,695,300	1,676,181	2,273,756	2,875,058	3,023,448
Galvanized formed products	73,047	67,245	84,854	58,717	117,881	(1)	(1)
Wire (plain)	(1)	2,177,816	3,071,824	3,544,826	4,854,950	4,780,685	4,383,395
Wire nails	478,071	443,596	648,593	553,048	876,395	653,161	563,045
Cut nails	22,996	19,748	24,377	15,279	30,418	20,007	17,605
Pipes and tubes (black)	(1)	2,276,544	4,272,684	6,030,243	9,310,055	10,038,555	10,496,665
Forgings made by rolling mills ³	592,978	352,390	623,101	1,655,746	457,481	547,055	642,868

¹ Not available.

² These are mostly further elaborations of products listed above.

³ Includes forged axles.

No. 1061.—STEEL—CAPACITY AND PRODUCTION OF INGOTS AND STEEL FOR CASTINGS,
BY TYPE OF FURNACE: 1890 TO 1956

[In short tons (2,000 pounds). See also *Historical Statistics*, series J 165-169]

YEAR	Capacity ¹ (Jan. 1)	PRODUCTION						Percent production of capacity	
		Total ²	Open hearth			Bessemer	Electric		
			Total	Basic	Acid				
1890	4,790,320	574,820	(3)	(3)	4,131,536	(3)	79,716	-----	
1900	11,410,928	3,805,911	2,850,502	955,409	7,486,942	(3)	112,629	-----	
1910	20,226,309	18,455,050	17,127,408	1,357,642	10,542,305	61,975	136,979	-----	
1915	46,249,146	36,009,161	26,520,594	24,985,772	1,534,822	9,281,079	79,452	127,436	
1920	62,313,591	47,183,886	36,592,522	35,140,810	1,451,712	9,949,057	566,370	80,937	
1925	68,473,222	50,840,747	42,598,627	41,537,828	1,060,804	7,530,837	689,373	21,910	
1930	72,985,406	45,583,421	39,255,073	38,380,514	874,559	5,639,714	686,111	2,523	
1935	78,451,930	38,183,705	34,401,280	34,004,585	396,695	3,175,235	606,471	719	
1940	81,619,496	66,982,686	61,573,083	60,882,840	600,243	3,708,578	1,700,006	1,024	
1945	95,505,280	70,701,648	71,939,602	71,059,876	869,726	4,305,318	3,456,704	24	
1947	91,241,250	84,894,071	76,873,703	76,209,268	664,525	4,232,543	3,787,735	(4)	
1948	94,233,460	88,640,470	79,340,157	78,714,852	625,305	4,243,172	5,057,141	(4)	
1949	96,120,930	77,978,176	70,248,803	69,742,110	506,693	3,946,656	3,782,717	(4)	
1950	99,982,650	96,836,075	86,262,509	85,061,651	600,858	4,534,558	6,039,008	(4)	
1951	104,229,660	105,199,848	93,166,518	92,387,447	779,071	4,890,946	7,142,384	(4)	
1952	108,587,670	93,168,039	82,846,439	82,143,400	703,039	3,523,677	6,797,923	(4)	
1953	117,547,470	111,609,719	100,473,823	99,827,729	646,094	3,855,705	7,280,191	(4)	
1954	124,330,410	88,311,652	80,327,494	80,019,628	307,866	2,548,104	5,436,054	(4)	
1955	125,828,310	117,036,085	105,359,417	104,804,570	554,847	3,319,517	8,357,151	(4)	
1956	128,363,090	115,216,149	102,840,585	102,167,989	672,596	3,227,997	9,147,567	(4)	

¹ Annual capacity as of Jan. 1, 1957, was 133,459,150 tons.

² Includes all other grades not shown separately, as follows: 1890, 4,248 tons; 1900, 5,445 tons. Beginning 1935, figures include only that part of steel for castings which was made in foundries producing steel ingots.

³ Not available.

⁴ Included with electric.

⁵ Average of Jan. 1 and July 1.

Source: American Iron and Steel Institute; *Annual Statistical Report*.

No. 1062.—BLAST FURNACES AND STEEL WORKS AND ROLLING MILLS—SUMMARY:
1889 TO 1954

[Data for years prior to 1937 include figures for steel castings, thereafter such data are excluded]

YEAR	Num- ber of estab- lish- ments	PRODUCTION WORKERS		Value added by manufac- ture (\$1,000) ¹	YEAR	Num- ber of estab- lish- ments	PRODUCTION WORKERS		Value added by manufac- ture (\$1,000) ¹
		Number (average for the year)	Wages, total (\$1,000)				Number (average for the year)	Wages, total (\$1,000)	
TOTAL									
1889	719	171,181	89,273	151,415	1899	81	19,537	28,312	87,083
1899	668	222,490	120,820	281,569	1947	86	32,697	93,598	328,060
1909	654	278,505	187,807	399,013	1950	(2)	35,357	115,034	554,269
1919	695	416,748	711,407	1,321,507	1952	(2)	38,201	137,714	591,883
1923	658	424,913	696,761	1,289,910	1953	(2)	38,809	169,138	777,354
1925	595	399,914	660,297	1,281,976	1954	85	31,108	130,475	620,250
1927	602	389,270	645,534	1,219,534					
1929	591	419,534	730,974	1,622,837	BLAST FURNACES				
1931	526	278,206	357,645	623,199	STEEL WORKS AND ROLLING MILLS				
1933	466	288,945	270,367	481,529					
1935	468	374,808	458,584	893,681	1939	253	368,904	569,724	1,147,548
1937	352	461,118	755,427	1,503,959	1947	215	438,088	1,337,938	2,275,697
1939	324	388,441	598,037	1,234,631	1947	(2)	440,516	1,566,419	3,431,813
1947	301	470,785	1,431,536	2,603,757	1950	(2)	469,418	1,837,396	3,552,353
1950	(2)	475,873	1,684,453	3,986,082	1952	(2)	478,521	2,213,972	4,625,523
1952	(2)	507,619	1,975,110	4,144,236	1953	(2)	409,858	1,802,259	4,020,264
1953	(2)	517,330	2,383,888	5,402,877	1954	204			
1954	289	440,966	1,932,734	4,640,515					

¹ Value of products less cost of materials, supplies, fuel, electric energy, and contract work. For 1889-1933, cost of contract work was not deducted.

² Not available.

³ Includes data for 2 establishments engaged in production of sintered ore and flue dust and operated independently of blast furnaces.

Source: Department of Commerce, Bureau of the Census; 1947 and 1954 Censuses of Manufactures, and *Annual Survey of Manufactures*.

No. 1063.—IRON AND STEEL, FINISHED ROLLED—PRODUCTION, EXPORTS, AND IMPORTS: 1876 TO 1956

[In short tons (2,000 pounds). Imports are imports for consumption beginning with 1933; general imports in earlier years. See also *Historical Statistics*, series J 170, for data on total production]

YEARLY AVERAGE OR YEAR	Total production, finished rolled products	RAILS			PLATES AND SHEETS			Merchant bar produc- tion ²
		Production	Exports	Imports	Production	Exports	Imports ¹	
1876-1880		1,020,426	4,974	67,083	—	—	—	—
1881-1885		1,426,531	4,464	131,009	—	—	—	—
1886-1890	3,911,600	1,915,511	8,148	55,748	3,767,104	—	8,975	—
1891-1895	6,129,591	1,416,438	15,288	1,173	846,516	1,691	26,761	—
1896-1900	9,142,067	2,107,734	260,420	2,687	1,639,544	34,714	5,344	—
1901-1905	15,811,416	3,242,555	252,836	48,392	3,017,980	44,246	6,907	3,402,833
1906-1910	20,730,629	3,627,104	339,622	4,439	4,504,594	177,622	4,588	3,897,499
1911-1915	24,920,084	3,091,824	424,247	26,589	6,028,088	466,372	3,220	4,222,754
1916-1920	34,507,928	2,945,047	616,920	23,959	9,235,794	1,016,396	1,765	7,050,073
1921-1925	30,458,732	2,794,109	274,737	35,530	8,875,380	488,464	4,265	8,375,343
1926-1930	39,662,938	2,971,808	178,599	22,228	11,797,300	536,823	27,550	7,080,024
1931-1935	20,002,332	828,436	46,310	5,780	6,301,604	181,332	14,569	3,356,504
1936-1940	33,066,554	1,334,946	139,217	6,511	13,664,259	791,090	8,963	6,217,207
1941-1945	62,735,634	2,211,836	276,472	14,372	21,370,112	1,307,781	1,853	11,284,428
1946-1950	64,407,247	2,073,009	314,026	6,724	23,735,857	1,029,037	60,496	10,210,438
1951-1955	79,665,153	1,541,357	123,361	5,899	32,587,106	909,333	269,637	11,592,752
1943	63,292,673	2,126,996	311,861	7,384	22,543,040	1,531,567	468	11,858,047
1944	65,833,979	2,490,656	316,915	9,893	23,463,059	1,246,556	5,665	11,161,194
1945	59,811,668	2,417,520	327,588	32,474	19,314,316	1,341,777	2,751	10,484,218
1946	50,936,772	1,965,642	385,584	7,997	16,324,199	1,159,040	2,255	8,880,428
1947	68,202,144	2,441,179	500,582	10,267	23,325,600	1,272,770	1,843	10,781,625
1948	68,191,952	2,207,022	308,375	6,784	25,694,480	868,286	32,280	11,150,874
1949	60,882,387	1,901,020	258,196	1,106	23,470,886	1,106,914	43,360	9,054,099
1950	75,190,581	1,849,580	137,391	7,465	30,231,722	738,176	222,740	11,185,166
1951	81,911,320	1,854,247	105,599	11,144	31,860,244	780,775	693,567	12,761,309
1952	71,348,528	1,472,139	188,101	4,328	27,251,852	849,003	184,620	11,747,093
1953	85,943,724	1,981,931	190,867	3,045	35,699,732	767,566	458,902	13,022,525
1954	68,464,640	1,171,103	96,914	3,777	28,406,447	823,830	3,241	8,840,701
1955	90,657,553	1,227,365	57,825	7,051	39,708,255	1,325,489	6,857	12,515,861
1956	89,284,317	1,301,369	68,319	7,548	38,709,832	1,284,080	69,569	12,679,815

YEARLY AVERAGE OR YEAR	Skelp production	WIRE RODS			STRUCTURAL SHAPES			All other finished rolled production ²
		Production	Exports	Imports	Production	Exports	Imports	
1891-1895		709,238	—	—	38,980	3,481,457	—	2,772,234
1896-1900		1,018,997	3,18,124	20,257	772,149	3,54,742	—	3,603,649
1901-1905	3,160,314	1,781,114	18,306	20,597	3,248,346	62,329	3,14,482	1,415,004
1906-1910	1,868,915	2,303,540	15,011	17,248	2,169,385	135,616	12,440	3,232,590
1911-1915	2,511,342	2,933,601	84,252	13,198	4,2,739,958	297,798	7,114	3,392,518
1916-1920	3,123,005	3,336,179	162,072	4,188	8,340,000	376,744	8,143	5,477,829
1921-1925	3,345,985	2,836,325	31,408	4,803	3,199,711	224,177	31,317	4,031,879
1926-1930	3,762,372	3,148,573	35,039	16,098	4,489,127	311,101	160,219	6,322,836
1931-1935	1,248,507	2,065,165	25,456	12,505	1,631,689	66,574	45,874	9,930,946
1936-1940	2,282,301	3,424,361	97,413	12,251	3,317,886	237,283	49,232	7,825,593
1941-1945	3,100,884	4,754,339	148,351	482	5,052,009	287,706	6,278	14,962,077
1946-1950	3,481,308	5,106,991	46,263	27,354	5,113,049	492,714	72,189	14,686,614
1951-1955	4,391,875	5,484,321	16,655	68,890	6,241,157	320,205	356,130	17,826,584
1943	3,022,398	4,693,798	176,039	31	4,575,844	239,985	169	14,472,550
1944	3,049,682	4,846,298	123,804	2	4,676,481	235,592	28,017	16,316,609
1945	2,894,023	4,531,157	109,334	2,199	4,467,164	367,956	2,682	15,703,271
1946	2,534,848	4,520,280	62,355	6,052	4,387,664	449,219	874	12,323,711
1947	3,450,460	5,376,003	71,237	6,016	5,607,671	752,790	1,731	15,219,706
1948	3,617,703	5,430,603	38,143	6,613	5,455,523	499,166	65,830	15,635,147
1949	3,639,074	4,388,394	53,315	5,734	4,672,284	433,211	114,505	13,756,630
1950	4,164,454	5,819,677	6,264	112,353	5,442,104	279,182	178,007	16,497,878
1951	4,383,723	6,231,140	4,148	122,018	6,348,025	327,037	459,969	18,463,632
1952	3,855,076	5,212,600	20,681	44,404	5,354,382	286,956	319,454	16,455,386
1953	4,606,092	5,102,719	9,489	65,419	5,537,556	310,356	458,238	18,813,169
1954	3,880,551	4,686,854	9,025	39,849	5,705,738	341,085	276,826	15,773,226
1955	5,143,934	6,098,293	30,930	47,762	6,336,338	380,593	266,161	19,627,507
1956	5,450,948	5,608,855	17,514	64,192	7,166,385	401,417	614,782	18,367,113

¹ Includes skelp beginning 1922.

² Merchant bars include concrete reinforcement bars and, beginning 1934, certain miscellaneous bars previously included in "All other finished rolled production."

³ Short-term average. ⁴ Small structural forms not included in 1911.

Source: Production, American Iron and Steel Institute; *Annual Statistical Report*. Exports and imports, Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

IRON AND STEEL

825

No. 1064.—STEEL PRODUCTS—SHIPMENTS, BY CLASS: 1941 TO 1956

[In thousands of short tons (2,000 pounds). Comprises carbon, alloy, and stainless steel. Percents based on domestic shipments only]

CLASS	1941		1945		1950		1955		1956	
	Quantity	Percent								
Total shipments.....	60,943	-----	57,242	-----	72,232	-----	84,717	-----	83,251	-----
Domestic shipments.....	55,103	100.0	53,449	100.0	69,665	100.0	81,134	100.0	79,629	100.0
Steel for converting and processing ¹	2,375	4.3	2,706	5.1	3,900	5.6	3,753	4.6	3,777	4.7
Forgings (except automotive).....	852	1.5	1,418	2.6	1,082	1.5	1,266	1.6	1,473	1.8
Bolts, nuts, rivets, and screws.....	1,155	2.1	1,083	2.0	1,410	2.0	1,475	1.8	1,485	1.9
Warehouses and distributors (except oil and gas).....	8,122	14.7	8,904	16.7	11,676	16.8	13,562	16.7	14,505	18.2
Construction (exc. oil and gas).....	8,010	14.6	4,664	8.7	5,563	8.0	7,234	8.9	7,885	9.9
Contractors' products.....					3,075	4.4	3,982	4.9	4,075	5.1
Automotive.....	8,827	16.0	4,071	7.6	14,472	20.8	18,722	23.1	14,142	17.8
Passenger cars, trucks, tractors, parts, etc.....	8,542	15.5	3,774	7.0	13,923	20.0	18,203	22.4	13,744	17.3
Forgings.....	285	0.5	297	0.5	549	0.8	519	0.7	398	0.5
Rail transportation.....	5,563	10.1	5,121	9.6	4,299	6.2	3,521	4.3	4,227	5.3
Railroad rails, trackwork, and equipment.....	(2)	(2)	(2)	(2)	2,222	3.2	1,580	1.9	1,500	2.0
Freight cars, passenger cars, and locomotives.....	(2)	(2)	(2)	(2)	2,020	2.9	1,901	2.3	2,605	3.3
Street railways and rapid transit systems.....	(2)	(2)	(2)	(2)	48	0.1	40	0.1	32	(2)
Shipbuilding and marine equipment.....	2,705	4.9	2,719	5.1	327	0.5	601	0.8	760	1.0
Aircraft.....	160	0.3	301	0.6	52	0.1	97	0.1	135	0.2
Oil and gas.....	2,742	5.0	2,063	3.8	5,343	7.7	5,437	6.7	5,582	7.0
Warehouses and distributors.....	1,017	1.9	667	1.2	1,684	2.4	2,197	2.7	2,247	2.8
Construction.....	1,725	3.1	1,396	2.6	3,039	4.4	2,447	3.0	2,556	3.2
Drilling.....					620	0.9	703	1.0	779	1.0
Mining, quarrying, and lumbering.....	237	0.	210	0.4	289	0.4	269	0.3	349	0.4
Agricultural.....	1,136	2.1	1,120	2.1	1,538	2.2	1,337	1.7	1,082	1.3
Agricultural machinery.....	(2)	(2)	(2)	(2)	1,298	1.9	1,112	1.4	819	1.0
Other.....	(2)	(2)	(2)	(2)	240	0.3	225	0.3	263	0.3
Machinery, industrial equipment, and tools.....	1,517	2.8	1,607	3.0	3,474	5.0	4,699	5.8	5,032	6.8
Electrical machinery and equipment.....	1,289	2.3	819	1.5	1,837	2.6	2,292	2.8	2,438	3.1
Appliances, utensils, and cutlery.....	1,739	3.2	675	1.3	2,088	3.0	2,199	2.7	2,129	2.7
Other domestic and commercial equipment.....	1,940	3.5	1,433	2.7	1,804	2.6	2,189	2.7	2,264	2.8
Containers.....	4,255	7.7	4,333	8.1	5,911	8.4	6,723	8.3	6,818	8.6
Cans and closures.....	(2)	(2)	(2)	(2)	4,339	6.2	4,947	6.1	5,026	6.3
Barrels, drums, and shipping pails.....	(2)	(2)	(2)	(2)	925	1.3	983	1.2	1,019	1.3
Other.....	(2)	(2)	(2)	(2)	647	0.9	793	1.0	773	1.0
Ordnance and other direct military.....	1,413	2.6	5,509	10.3	195	0.3	857	1.1	524	0.7
Shipments of nonreporting companies.....	1,066	1.9	4,693	8.8	1,330	1.9	919	1.1	947	1.2
Exports.....	5,840	-----	3,793	-----	2,567	-----	3,583	-----	3,622	-----

¹ Net total after deducting shipments to reporting companies for conversion or resale.² Not available.³ Less than 0.05 percent.Source: American Iron and Steel Institute; *Annual Statistical Report*.

No. 1065.—IRON AND STEEL—AGGREGATE EXPORTS: 1890 TO 1956

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes ferromanganese. Beginning 1925, excludes steam and hot water heating boilers and radiators. Value figures through 1920 exclude, and those beginning 1925 include, data for small items for which quantity figures are not available. See table 1066 for revised list of articles included, effective 1952.]

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1890	58		1935	3,431	88,414	1948	4,885	659,779
1895	100		1940	11,876	524,426	1949	5,146	714,780
1900	1,292	42,518	1941	8,029	506,901	1950	3,248	465,141
1905	1,131	33,813	1942	7,387	598,939	1951	3,783	612,236
1910	1,723	63,433	1943	7,245	621,847	1952	1,4,854	771,442
1915	3,957	140,998	1944	6,148	560,178	1953	1,3,711	640,150
1920	5,527	458,376	1945	5,203	461,147	1954	1,4,826	653,468
1925	1,974	144,262	1946	5,149	449,843	1955	1,9,723	979,357
1930	2,220	139,030	1947	6,994	830,655	1956	1,11,427	1,274,312

¹ See footnote 1, table 1066.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 1066.—IRON AND STEEL—EXPORTS, BY KIND: 1954 TO 1956

[Includes shipments under foreign aid programs such as UNRRA, Interim Aid, ECA, and FOA, and Civilian Supply shipments]

KIND	QUANTITY (short tons)			VALUE (\$1,000)		
	1954	1955	1956	1954	1955	1956
	Total	1,4,825,751	1,9,723,239	1,11,427,281	653,468	979,357
Pig iron	10,247	34,989	267,175	762	1,918	14,872
Iron and steel scrap	1,682,612	5,155,200	6,270,055	50,514	177,188	291,155
Iron bars, skelp, and pipe	30,670	29,843	40,403	4,550	4,578	6,968
Steel mill products, semifinished	95,257	740,512	528,446	8,773	63,025	53,454
Steel ingots, blooms, billets, slabs, sheet bars, and tin-plate bars	29,427	611,230	355,436	2,614	50,178	34,801
Steel skelp	56,767	88,249	148,208	5,207	8,446	15,679
Wire rods and other semifinished steel mill products	9,063	41,033	24,802	952	4,401	2,975
Steel mill products, rolled and finished	1,2,666,859	3,813,004	3,771,931	434,485	545,701	675,511
Steel bars, including bar size shapes	89,751	205,244	296,900	13,514	29,443	46,215
Steel plates, hot- or cold-rolled, not fabricated, and armor plates, rolled	154,149	215,391	298,664	19,549	28,803	46,389
Steel sheets, black, ungalvanized	430,890	840,482	719,564	64,161	123,766	115,154
Steel sheets, galvanized	127,900	144,620	134,562	21,872	24,997	26,017
Steel sheets, coated, exc. galvanized and steel sheets for enameling	37,657	50,102	42,635	6,169	8,229	7,469
Electrical steel sheets and strip	62,173	59,477	68,372	20,602	20,268	23,859
Steel strip, coated or uncotted, exc. elec.	56,396	92,523	90,655	15,414	26,086	27,078
Tin mill black plate	85,545	117,024	98,904	7,044	12,350	11,543
Tin mill prod. (tin plate and terneplate)	725,535	853,977	750,205	123,994	144,566	136,897
Structural shapes, not fabr., and piling	288,628	289,099	372,895	30,748	33,337	48,139
Rails, trackwork, and track accessories	120,955	74,852	95,904	14,651	8,516	14,079
Pipe, tubes, and tubing	450,033	320,412	754,584	87,757	74,795	160,037
Steel wire, not elsewhere classified	37,247	40,801	48,087	8,875	10,446	12,855
Other steel mill prod., rolled and finished	(2)	(2)	3 135	3 97	199	
Castings and forgings	55,237	94,308	97,328	14,109	21,267	22,825
Railway car and locomotive wheels, tires, and axles, rolled and forged	10,884	15,137	12,417	2,541	4,056	3,033
Wire springs, steel	4,242	4,696	4,714	2,088	2,445	2,577
Bolts, screws, nuts, rivets, and washers	13,752	19,868	21,751	11,255	15,446	17,482
Nails, staples, and spikes	4,223	4,362	4,249	2,185	2,610	2,562
Builders' furniture, car, marine, and other hardware and parts	(2)	(2)	(2)	14,300	17,071	20,478
Pipe fittings	23,883	27,206	33,178	17,185	19,643	28,898
Fabricated steel products	145,648	165,277	210,192	40,723	43,396	58,613
Sash, sections, and frames, door and window, and other construction materials	8,406	9,435	12,167	5,150	5,706	7,069
Chains and parts	9,505	8,206	11,212	7,694	7,936	10,480
Welding rods and wires	13,054	16,123	19,720	5,260	6,736	8,690
Wire cloth	(4)	(4)	(4)	952	1,163	1,105
Wire-reinforcing fabric and wire rope, cord, cable, and strand	20,474	22,659	26,672	8,093	8,874	11,879
Other iron and steel manufactures	(2)	(2)	(2)	19,460	24,365	28,024
Ferroalloys	30,798	62,324	86,671	3,390	6,235	8,057

¹ Excludes figures for wire cloth and for articles noted below as not reported. ² Not reported.

³ Sampling error (see Technical Note, p. 781) probably not greater than 10 to 15 percent.

⁴ Reported in square feet: 5,529,219 in 1954; 6,950,825 in 1955; 6,713,660 in 1956.

Source: Department of Commerce, Bureau of the Census.

No. 1067.—IRON AND STEEL—WHOLESALE PRICE INDEXES: 1926 TO 1956

[1947-1949 = 100]

YEAR	Iron and steel, total	YEAR	Iron and steel, total	YEAR	Iron and steel, total	STEEL MILL PRODUCTS		
						Total	Finished	Semi-finished
1926	67.1	1933	52.7	1939	64.2	67.5	68.0	62.9
1927	63.2	1934	58.1	1940	63.8	67.6	68.1	63.2
1928	62.7			1941	64.6	67.9	68.4	63.2
1929	63.6	1935	58.1	1942	65.2	68.0	68.5	63.2
		1936	58.7	1943	65.2	68.1	68.6	63.2
1930	59.7			1944	65.1	68.1	68.6	63.2
1931	55.9	1937	65.8	1945	66.5	69.7	70.2	65.3
1932	53.3	1938	66.1	1946	74.0	75.8	76.4	70.7

YEAR	Iron and steel, total	STEEL MILL PRODUCTS			Pig iron and ferro-alloys	Iron ore	Scrap, iron and steel	Foundry and forge shop products
		Total	Finished	Semi-finished				
1947	89.7	88.8	89.1	85.2	85.3	88.6	96.9	89.4
1948	104.3	101.4	101.3	102.5	101.8	96.5	122.3	103.2
1949	106.0	109.9	109.7	112.3	112.9	114.9	80.8	107.4
1950	113.1	115.7	115.2	121.8	115.6	123.0	104.6	109.1
1951	123.2	124.8	124.5	128.3	126.6	132.3	118.8	119.4
1952	124.7	127.5	127.2	131.2	130.9	137.6	114.2	119.9
1953	131.3	137.6	136.9	145.6	138.4	153.8	103.1	126.4
1954	132.9	143.8	142.8	156.2	137.6	157.7	79.8	129.3
1955	140.6	150.7	149.5	164.4	138.6	160.4	104.6	132.4
1956	154.7	163.2	162.1	175.9	151.4	173.0	132.5	146.1

Source: Department of Labor, Bureau of Labor Statistics; annual report, *Wholesale Prices*.

No. 1068.—FERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1948 TO 1956
 [In thousands of short tons. 1948-49 data for steel castings and gray iron castings, and 1951-56 data for gray iron castings are estimates based on a sample of foundries. All other data represent complete coverage.]

ITEM	1948	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
GRAY IRON CASTINGS									
Shipments ¹	13,207	11,050	13,725	14,989	12,860	13,708	11,532	14,838	13,861
Pressure pipe and fittings	1,155	1,037	1,215	1,473	1,313	1,286	1,375	1,687	1,747
Soil pipe and fittings	654	582	795	688	651	677	744	870	818
All other gray iron castings	11,398	9,431	11,715	12,828	10,896	11,745	9,413	12,281	11,296
Unfilled orders, Dec. 31²	2,346	931	2,142	1,847	1,316	940	745	1,075	920
Pressure pipe and fittings	961	296	617	537	311	231	183	277	217
Soil pipe and fittings	253	65	208	27	31	23	26	27	27
All other gray iron castings	1,132	570	1,317	1,283	974	686	536	771	676
MALLEABLE IRON CASTINGS									
Shipments	941	723	942	1,085	926	971	822	1,105	952
For sale	527	373	537	656	573	579	462	653	558
For own use	414	350	405	429	353	392	360	452	394
Standard malleable									813
Pearlitic malleable									139
Unfilled orders, Dec. 31²	143	64	222	215	173	98	85	123	92
Standard malleable									80
Pearlitic malleable									12
STEEL CASTINGS									
Shipments ¹	1,778	1,260	1,481	2,050	1,925	1,834	1,184	1,531	1,932
Carbon	1,408	963	1,130	1,541	1,372	1,277	803	1,088	1,445
Alloy	370	297	351	509	553	557	381	443	487
Unfilled orders, Dec. 31²	360	124	570	846	719	278	179	475	522
Carbon	298	86	476	620	436	175	107	364	410
Alloy	62	38	94	226	283	103	72	111	112

¹ Includes shipments for "own use."² Unfilled orders for sale only. Excludes unfilled orders of captive plants.

Source: Department of Commerce, Bureau of the Census; monthly data published currently in *Facts for Industry*, Series M21C and M21-1.

No. 1069.—NONFERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1950 TO 1956

[In thousands of pounds. Shipments include "for own use." Unfilled orders are for the end of the year and comprise "for sale" only. Data for 1950 based on complete coverage; for other years based on sample and subject to sampling variation]

TYPE OF CASTING	1950	1951	1952	1953	1954	1955	1956 (prel.)
Shipments, all types.....	2,215,588	2,248,331	1,993,040	2,233,737	2,025,577	2,663,031	2,512,605
Unfilled orders, all types.....	303,305	325,943	326,207	229,356	208,323	273,698	258,096
Copper and copper-base alloy:							
Shipments.....	1,066,973	1,197,443	1,009,910	993,750	835,930	1,008,898	966,113
Unfilled orders.....	73,940	92,919	76,871	47,922	32,064	57,241	56,556
Aluminum and aluminum-base alloy:							
Shipments.....	543,082	515,131	518,979	661,035	624,973	827,162	801,036
Unfilled orders.....	113,300	125,566	146,499	107,754	99,556	123,881	118,188
Zinc and zinc-base alloy:							
Shipments.....	579,332	478,996	408,353	523,892	520,501	778,000	688,069
Unfilled orders.....	106,885	89,338	85,767	64,047	69,603	86,120	75,293
Magnesium and magnesium-base alloy:							
Shipments.....	15,224	30,825	34,857	34,601	25,777	27,854	36,168
Unfilled orders.....	7,654	16,056	16,020	9,324	6,678	5,981	7,616
Lead and lead-base alloy die: ¹							
Shipments.....	20,977	25,936	20,941	20,459	18,396	21,117	21,219
Unfilled orders.....	1,526	2,064	1,050	(2)	432	475	446

¹ Excludes producers of lead die castings for battery plates and parts who reported shipments of 146 million pounds in 1950.

² Withheld because estimates did not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M24E.

No. 1070.—ALUMINUM AND MAGNESIUM—NET SHIPMENTS OF MILL PRODUCTS: 1950 TO 1956

[In thousands of pounds. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

ITEM	1950	1951	1952	1953	1954	1955	1956
Aluminum mill products.....	1,713,449	1,756,244	1,924,750	2,286,865	2,086,562	2,791,791	2,885,808
Plate, sheet, and strip.....	1,163,135	1,073,367	1,085,699	1,368,165	1,165,076	1,542,723	1,563,117
Rolled structural shapes, rod, bar and wire ¹	269,780	345,163	443,546	422,046	361,281	367,951	421,201
Extruded shapes, tube							
blooms and tubing.....	258,075	312,944	347,542	451,922	513,300	775,092	792,403
Powder, flake and paste.....	22,459	24,770	47,963	44,732	46,905	35,651	28,421
Forgings ¹	12,810	19,090	18,249	16,885	13,743	70,344	75,666
Magnesium mill products.....							

¹ Beginning 1955, forgings reported separately; forging stock included with rolled rod and bar for prior years.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M24-1.

SELECTED METAL PRODUCTS

829

No. 1071.—SELECTED METAL PRODUCTS—FACTORY SHIPMENTS: 1953 TO 1955

PRODUCT AND UNIT OF MEASURE	1953		1954		1955	
	Quantity	Value (\$1,000)	Quantity	Value (\$1,000)	Quantity	Value (\$1,000)
Containers and closures:						
Steel shipping barrels and drums... number	33,895,261	-----	32,551,865	-----	36,934,964	-----
Steel packages, kegs, and pails... do	70,026,848	-----	69,827,419	-----	77,707,730	-----
Metal cans... short tons of steel consumed...	4,082,254	-----	4,143,329	-----	4,493,999	-----
For sale... do	3,571,489	-----	3,657,604	-----	3,900,855	-----
For own use... do	510,765	-----	485,725	-----	574,144	-----
Crowns... gross	315,956,453	-----	313,741,265	-----	326,733,012	-----
Closures (except crowns):						
Commercial, except milk bottle closures	1,000	-----	16,249,275	-----	16,955,995	-----
Milk bottle closures ¹ ... do	14,463,623	-----	12,669,259	-----	13,055,737	-----
Home canning... gross	13,450,121	-----	14,001,019	-----	14,227,332	-----
Heating and cooking equipment:						
Domestic cooking stoves and ranges. number	3,528,957	360,714	3,423,323	352,628	3,798,985	403,464
Electric... do	1,142,974	154,805	1,220,000	164,110	1,289,949	170,187
Gas, including bungalow... do	2,150,685	190,558	2,005,761	176,298	2,315,564	213,223
Liquid fuel... do	117,606	4,281	109,210	4,340	108,257	4,282
Coal and wood... do	83,062	4,730	66,487	3,852	69,851	3,999
Combination... do	34,630	6,250	21,865	4,028	15,364	2,773
Domestic heating stoves... do	3,278,473	84,649	2,693,618	70,080	3,021,596	76,389
Gas... do	1,674,161	35,235	1,431,702	31,164	1,729,061	40,192
Liquid fuel... do	927,919	39,539	686,470	30,695	634,474	25,193
Coal and wood... do	676,393	9,875	575,446	8,221	658,061	11,004
Water heaters... do	3,084,108	170,891	23,396,324	23,383,818	3,569,099	195,645
Electric... do	601,055	40,101	799,000	45,926	684,905	41,042
Non-electric... do	2,483,023	130,790	22,597,324	23,627	2,884,104	154,608
Direct-fired... do	2,311,061	119,953	2,473,873	126,548	2,664,186	142,557
Indirect... do	171,962	10,837	2,123,451	9,079	219,918	13,046
Range boilers... do	273,170	4,980	249,502	4,466	246,619	4,457
Cast iron boilers... 1,000 pounds	207,514	50,968	220,241	52,601	231,350	56,808
Cast iron radiators and convectors						
1,000 sq. ft. heating surface	31,667	21,650	28,941	21,042	28,518	21,513
Oil burners... number	901,437	(4)			952,917	-----
Residential... do	860,416	(4)			910,011	-----
Non-residential... do	41,021	(4)			42,906	-----
Mechanical stokers... do	16,658		16,290		16,399	-----
Warm air furnaces... do	996,603	197,275	1,151,824	218,607	1,495,285	262,851
Forced air... do	862,997	179,174	1,038,568	202,725	1,306,436	248,784
Gravity air... do	133,606	18,101	118,283	15,882	98,849	14,067
Construction machinery:						
Power cranes and shovels... do	9,690	244,603	7,526	171,404	9,860	250,571
Dozers... do	21,053	39,498	18,307	35,047	19,629	38,887
Tracklaying tractors... do	50,597	328,666	40,374	267,918	48,684	357,113
Plumbing fixtures:						
Bathtubs, cast iron and steel... do	1,891,080	-----	2,072,333	-----	2,326,521	-----
Lavatories... do	2,889,516	-----	3,182,913	-----	3,924,453	-----
Vitreous china... do	1,338,358	-----	1,592,223	-----	2,080,387	-----
Cast iron and steel... do	1,551,158	-----	1,500,690	-----	1,844,066	-----
Kitchen sinks... do	2,123,571	-----	2,182,369	-----	2,427,262	-----
Vitreous china... do	5,4,616	-----	4,375	-----	3,205	-----
Cast iron... do	1,022,101	-----	1,008,873	-----	1,060,086	-----
Steel... do	1,096,854	-----	1,169,121	-----	1,363,071	-----
Transportation equipment:						
Truck trailers... do	96,699	294,849	54,537	245,227	76,468	371,413
Complete trailers... do	93,393	286,286	52,243	238,786	73,708	363,453
Trailer chassis only... do	3,306	8,563	2,294	6,441	2,760	7,955
Complete aircraft (civilian)... do	4,134	244,418	3,389	295,738	4,820	271,250
Aircraft engines (civilian)... do	6,647	70,854	5,519	60,647	7,639	59,147
Domestic water systems... do	702,051	69,259	721,225	71,216	796,332	74,899

¹ Disc caps (plug caps) and sanitary closure caps (hoods) are reported as one closure when sold to be used together. Beginning 1955, includes milk bottle closures stamped from purchased aluminum foil by milk bottling plants.

² Excludes quantity for cast or coil-type storage indirect water heaters valued at \$1,211,000.

³ Includes value of \$2,263,000 water heaters not specified by kind.

⁴ Not available.

⁵ Includes a small quantity of other metals and glazed earthenware.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry* series. Data on electric stoves and electric water heaters from National Electrical Manufacturers' Association, except for 1954 which were obtained from the 1954 Census of Manufactures.

No. 1072.—MACHINE TOOLS—SHIPMENTS, BY MAJOR TYPES: 1950 TO 1955

[Includes light type machine tools, particularly in drilling machines, lathes, grinding and polishing machines, and milling machines. Excludes machine tools specifically designed for home workshops, model makers, garages, and service shops.]

MAJOR TYPE	1950		1953		1954		1955 (prel.)	
	Num- ber	Value (\$1,000)	Num- ber	Value (\$1,000)	Num- ber	Value (\$1,000)	Num- ber	Value (\$1,000)
Total	315,743		1,169,359		1,879,020		668,178	
Boring machines	1,363	29,402	4,650	163,648	2,3,187	114,443	2,122	77,372
Broaching machines	374	4,883	798	21,874	473	17,253	395	14,457
Drilling machines	9,017	33,120		114,258		86,066		61,644
Gear cutting and finishing machines	1,402	19,819	2,546	44,891	2,2,468	48,111	1,749	36,565
Grinding and polishing machines (ex- cept gear tooth grinding, honing, lapping, and buffing)	79,274	60,859	93,804	219,287	2,54,040	154,288	64,722	124,088
Lathes	30,251	89,716	43,077	312,165	2,21,015	206,886	23,266	153,285
Milling machines	6,075	36,452	17,525	196,124	2,10,328	122,518	13,374	90,190
Planers	84	3,035	164	10,445	138	10,978	120	7,511
Shapers (except gear shapers)	794	3,397	1,495	10,932	701	5,692	703	4,646
All other machine tools		35,051		75,735		112,785		98,420

¹ Excludes \$11,743,000 value of machine tools not specified by kind. An indeterminate portion of this value represents parts for machine tools, machine tools designed for home workshops, and rebuilt machine tools.

² Excludes quantity for machines not specified by kind.

Source: Department of Commerce, Bureau of the Census; published in *Facts for Industry*, Series M34A.

No. 1073.—MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS OF SELECTED PRODUCTS: 1947 TO 1954

[In thousands of dollars. Figures for 1950 to 1953 based on sample and subject to sampling variation; see Technical Note, p. 781]

PRODUCT	1947	1950	1952	1953	1954
Ball and roller bearings and components	352,501	450,495	606,079	644,868	533,796
Commercial laundry, dry-cleaning, and pressing ma- chines ¹	93,078	77,441	89,037	91,286	76,637
Computing machines and cash registers ¹	301,809	349,670	456,374	510,226	501,311
Construction and mining machinery	932,430	973,503	1,591,963	1,419,967	1,159,170
Conveyors	234,074	240,696	407,011	448,072	431,774
Cutting tools, files, fixtures, etc.	675,251	835,523	1,715,129	1,700,502	1,623,859
Domestic laundry equipment	433,955	532,084	511,071	544,321	596,349
Elevators and moving stairways ¹	96,421	102,195	116,545	109,435	128,102
Fabricated pipe and fittings made from purchased pipe	109,991	(²)	183,120	195,572	214,133
Farm machinery (except tractors)	844,251	1,051,877	1,187,918	1,157,350	1,060,306
Food-products machinery	334,733	323,609	353,582	365,702	371,408
Heat exchangers and steam condensers	52,627	76,621	133,477	156,168	162,757
Household mechanical refrigerators, including electric and gas	514,682	925,131	637,433	705,460	574,356
Industrial fans and blowers, including parts	129,913	129,785	197,573	213,971	274,045
Industrial furnaces and ovens	84,563	71,906	149,040	138,933	154,284
Industrial trucks, tractors, trailers, and stackers ¹	156,754	166,259	322,166	320,555	254,822
Internal combustion engines, except automotive and aircraft ³	617,257	(⁴)	(⁴)	5,867,181	5,923,115
Machine tools	415,880	363,477	1,134,702	1,241,238	1,000,152
Mechanical power-transmission equipment	426,282	463,833	808,074	820,751	595,019
Mechanical stokers ¹	36,033	19,153	21,875	21,043	16,023
Office and store machines	178,830	208,399	217,074	242,719	236,998
Oil and gas field machinery and tools, including drilling equipment	262,939	333,048	492,208	464,725	468,716
Paper-industries machinery ¹	134,713	114,994	162,022	179,051	176,172
Printing-trades machinery and equipment ¹	191,282	200,682	177,121	188,633	228,774
Pumps and compressors	518,763	504,195	777,864	842,111	867,400
Scales and balances ¹	51,483	53,274	64,137	61,058	59,409
Sewing machines ⁶	97,182	170,636	136,458	128,952	107,492
Steam engines and turbines	119,027	223,178	353,155	368,968	426,197
Textile machinery ¹	379,988	428,780	367,951	339,017	304,053
Tractors ⁷	744,273	1,098,049	1,203,481	1,271,834	1,070,836
Typewriters ¹	140,163	130,410	151,798	151,798	141,677
Vacuum cleaners	150,647	167,260	148,472	156,922	144,182
Valves and fittings (except plumbers)	548,715	711,778	958,176	977,835	911,678
Woodworking machinery	151,379	137,347	153,242	158,164	163,431

¹ Includes parts and attachments.

² Withheld because the estimate did not meet publication standards.

³ Represents shipments to other companies only. ⁴ Not available.

⁵ Includes interplant transfers not segregated by type of engine.

⁶ Includes parts and attachments (except cases and cabinets, and sewing machine needles).

⁷ Includes parts and attachments for replacement; beginning 1954 includes parts and attachments sold to other tractor plants, excluded for prior years.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures* and 1954 Census of Manufactures.

No. 1074.—ELECTRICAL MACHINERY—VALUE OF SHIPMENTS OF SELECTED PRODUCTS:
1947 TO 1954

[In thousands of dollars. Figures for 1950 to 1953 are based on sample and subject to sampling variation; see Technical Note, p. 781]

PRODUCT	1947	1950	1952	1953	1954
Carbon and graphite products	68,604	99,750	150,498	152,604	114,519
Electric lamps (bulbs)	191,706	243,157	238,105	289,348	309,050
Electrical appliances:					
Electric fans (except industrial type)	48,656	60,402	60,316	94,635	88,359
Household water heaters	60,478	63,522	(1)	(1)	48,214
Small household electric appliances and soldering irons (except fans)	249,169	306,004	304,843	356,056	370,591
Household ranges	132,235	218,478	146,507	170,387	164,110
Electrical equipment for internal combustion engines	337,015	486,964	607,751	640,078	564,325
Electrical hearing aids	16,868	23,073	21,103	22,326	29,032
Electrical measuring instruments	156,340	149,800	273,087	303,302	347,154
Electrical welding apparatus	107,616	109,825	209,094	194,006	160,025
Electron tubes:					
Transmitting and industrial type tubes, except X-ray tubes	25,321	(1)	182,296	194,692	162,554
Radio receiving-type tubes, except cathode ray	86,795	197,732	272,718	348,628	288,821
Cathode ray tubes (TV receiver type)	7,137	(1)	149,120	194,452	212,968
Electro-therapeutic apparatus	7,601	7,967	9,505	(1)	14,428
Insulated wire and cable	895,128	879,915	1,265,905	1,346,029	1,135,304
Motors and generators	855,577	888,186	1,307,866	1,428,392	1,338,447
Phonograph records	102,015	85,203	87,670	91,527	80,224
Primary batteries (dry and wet) including parts and supplies	78,094	95,491	130,249	147,832	117,926
Radios and related products:					
Household radio receivers, television sets, radio-phonographs, phonographs, and record players	810,066	1,687,073	21,339,535	1,592,416	1,384,560
Commercial radio communications, radio navigation aids, and broadcast equipment	225,262	268,611	1,162,515	1,362,467	1,374,879
Electronic type components for communications	348,916	697,356	1,126,482	1,405,849	987,928
Recorders, amplifiers, audio equipment, and recording magnetic wire	31,884	46,597	(1)	(1)	71,951
Storage batteries	298,358	318,546	378,302	364,300	336,118
Switchgear and switchboard apparatus	360,988	331,736	569,295	621,100	696,677
Telephone and telegraph equipment, including components, attachments, and accessories	631,919	449,546	763,870	819,632	755,469
Transformers	326,777	405,480	582,012	637,626	628,917
Wiring devices and supplies	375,653	491,959	556,955	558,297	589,229
X-ray equipment and X-ray tubes ¹	49,559	40,277	56,682	(1)	53,572

¹ Withheld because the estimate did not meet publication standards.

² Excludes radio chassis and television chassis for sale separately. In 1947 these items amounted to \$5.7 million.

³ Includes X-ray accessories and dental and industrial X-ray components and assemblies.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures* and 1954 Census of Manufactures.

No. 1075.—EXPORTS OF ELECTRIC HOME APPLIANCES—NUMBER: 1940 TO 1956

[Export figures include shipments under foreign aid programs such as UNRRA, Interim Aid, ECA, and FOA; Civilian Supply shipments are included in 1949 and subsequent years]

PRODUCT	1940	1945	1949	1950	1951	1952	1953	1954	1955	1956
Vacuum cleaners	9,964	1,470	27,941	19,966	18,089	26,273	55,689	50,121	69,061	90,468
Clocks	86,686	27,306	259,840	315,273	241,544	174,818	217,088	169,736	212,454	214,440
Irons	162,587	53,762	243,747	241,471	206,765	158,475	155,242	168,660	170,101	171,507
Radios and televisions	558,398	38,547	452,879	422,058	432,806	463,146	450,832	394,629	387,086	414,634
Refrigerators ¹	102,082	7,134	166,139	198,527	377,094	395,402	403,604	321,677	360,690	373,915
Razors	36,758	1,913	22,180	25,410	54,619	(2)	(2)	(2)	(2)	
Washing machines	29,657	1,109	56,887	52,582	62,440	60,658	80,885	79,512	82,642	92,296
Ranges	7,302	1,158	6,496	5,841	13,620	15,383	22,005	24,528	33,910	26,497

¹ Beginning 1949 includes home freezers. ² Not separately reported.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 1076.—MANUFACTURERS' SALES OF HOME APPLIANCES, 1940 TO 1956, RETAIL VALUE, 1954 TO 1956, AND HOMES OWNING AND WITHOUT APPLIANCES, 1957

[Lamp bulbs and tubes sales in millions; other figures in thousands. Compiled from sales reports and estimates of associations and manufacturers, and from Census Bureau surveys of manufactures. Sales figures represent manufacturers' sales including exports. Unless otherwise specified, figures are for electric appliances only. Estimates for homes owning appliances and homes without appliances are based on the accumulation of yearly sales totals with certain allowances for replacement, trade-ins, junking, and other factors]

PRODUCT	1940	1950	1954		1955		1956		JAN. 1957	
			Sales (units)	Retail value	Sales (units)	Retail value	Sales (units)	Retail value	Homes owning ¹	Homes without ¹
Air conditioners, room.....	11	201	1,246	\$423,640	1,270	\$406,400	1,765	\$485,375	3,600	43,815
Bed coverings, electric.....	800	1,104	37,812	1,460	44,580	1,950	54,600	6,261	41,154	
Blenders.....	225	296	11,825	405	14,415	465	16,250	2,726	44,689	
Broilers.....	295	1,550	75,950	1,545	77,173	750	29,962	—	—	
Cleaners, vacuum:										
Floor type.....	1,341	3,529	2,658	254,460	3,270	285,702	3,725	304,630	31,600	15,815
Hand type.....	359	230	134	4,146	107	3,385	75	2,400	—	—
Clocks.....	3,600	8,100	6,900	47,955	7,200	50,040	9,750	65,812	42,600	4,815
Coffee makers, automatic.....	1,873	900	3,269	65,055	3,675	71,663	5,100	98,635	18,425	28,990
Dehumidifiers.....	45	80	10,800	96	12,192	275	36,025	705	46,710	
Dishwashers, motor-driven.....	230	215	64,500	205	90,270	400	116,000	2,201	45,214	
Driers, clothes, total.....	319	941	215,631	1,397	309,050	1,660	369,780	5,625	41,790	
Electric.....	251	698	153,041	1,028	216,752	1,190	252,280	—	—	
Gas.....	68	243	62,590	369	92,298	470	117,500	—	—	
Fans:										
Attic.....	95	125	16,375	140	17,500	110	13,750	—	—	
Desk and bracket.....	1,682	2,450	3,924	93,195	2,525	50,373	2,400	47,850	—	—
Hassock or floor.....	180	406	17,052	250	10,464	135	6,682	—	—	
Ventilating, wall and ceiling.....	107	495	825	30,938	860	30,100	1,150	40,192	—	—
Window ventilating.....	—	1,425	79,642	1,645	82,168	2,525	119,937	—	—	
Portable roll-abouts.....	—	175	12,775	165	12,787	270	18,090	—	—	
Floor polishers.....	240	325	19,500	375	20,250	415	22,863	—	—	
Food waste disposers.....	320	410	47,150	520	58,800	590	64,900	3,118	44,297	
Freezers, home.....	890	990	391,425	1,100	430,945	975	380,200	8,550	38,865	
Fryers, deep fat.....	500	1,693	37,077	1,925	33,687	1,350	20,925	—	—	
Frypan-skillet.....	—	1,100	26,400	2,660	50,540	6,300	113,055	9,900	37,515	
Gas central heating equipment ²	117	1,025	961	1,135	—	1,091	—	—	—	—
Heaters, electric, total.....	528	1,115	1,432	37,453	1,680	50,114	1,811	52,124	4,320	43,055
Heating pads.....	932	1,725	1,672	10,450	1,980	12,177	2,215	13,179	16,691	30,724
Hotplates.....	415	1,160	946	7,180	950	7,363	760	6,042	10,848	36,567
Ironers.....	176	409	90	18,291	87	18,352	60	12,900	4,268	43,147
Irons, total.....	5,171	6,880	6,636	94,869	7,930	112,871	8,715	122,744	42,750	5,665
Kitchen cabinets, steel ³	2,969	3,372	174,440	4,046	209,328	3,641	188,395	—	—	—
Lamp bulbs and tubes.....	1,115	2,007	2,244	642	2,479	724	2,610	831	—	—
Incandescent.....	568	934	1,004	286	1,009	300	1,080	350	—	—
Other types.....	548	1,073	1,240	356	1,470	424	1,530	481	—	—
Lawn mowers, power.....	42	1,080	1,750	157,500	2,750	236,500	3,200	252,800	—	—
Mixers, food:										
Standard.....	460	1,700	1,591	70,000	1,615	71,464	1,600	70,400	—	—
Portable.....	145	1,274	24,142	1,625	31,688	2,645	48,033	20,748	26,667	—
Oil space heaters.....	390	886	452	43,394	408	39,974	375	36,750	—	—
Phonographs—record players:										
Single players.....	—	—	—	2,234	—	154,125	3,600	248,400	—	—
Combination units.....	—	—	—	509	101,800	595	117,810	—	—	—
Radio:										
Home radios.....	11,860	8,175	3,068	88,194	3,394	97,575	3,800	95,000	47,700	1,900
Portable and clock radios.....	1,675	3,208	100,594	4,271	147,035	5,400	198,100	—	—	—
Ranges:										
Electric.....	450	1,830	1,350	353,700	1,600	423,800	1,585	412,645	14,465	80,355
Standard.....	450	1,830	1,250	325,000	1,400	366,800	1,200	306,000	13,780	33,635
Built-in.....	—	—	100	28,900	200	57,000	385	106,645	685	46,730
Gas, domestic ⁴	1,742	3,031	2,023	—	2,256	—	2,015	—	—	—
Refrigerators.....	2,700	6,200	3,600	1,095,865	4,200	1,323,000	3,700	1,202,500	45,500	1,915
Roasters.....	260	400	350	13,983	330	13,184	225	9,000	—	—
Shavers.....	900	2,150	3,957	106,839	4,750	121,125	6,900	145,600	23,835	23,580
Television.....	7,464	7,347	1,689,741	7,757	1,745,212	7,200	1,368,000	33,400	9,015	—
Toasters.....	2,307	4,525	3,457	59,880	3,565	60,243	3,930	69,593	36,538	10,877
Waffle irons and sandwich grills.....	1,545	2,535	928	17,354	995	18,905	965	19,250	15,990	31,425
Washing machines:										
Automatic and semi-automatic.....	7,892	1,646	2,401	653,816	3,123	845,407	3,460	951,500	41,175	6,240
Wringer and spinner.....	2,626	1,209	179,741	1,268	187,030	1,233	189,203	—	—	—
Water heaters:										
Electric storage.....	125	990	806	96,700	900	103,500	870	100,050	8,015	39,400
Gas, automatic domestic ⁵	551	2,364	2,281	—	2,748	—	2,764	—	—	—
Water systems.....	259	723	728	123,400	788	130,000	775	120,125	—	—

¹ All figures except radio based on 47 million domestic and farm electric customers. Radio based on 49,600,000 total homes. ² Includes nonautomatic.

³ Source: American Gas Association from data supplied by Gas Appliance Manufacturers Association.

⁴ Portable (electric). ⁵ Standard. ⁶ So-called portable metal cabinets excluded. ⁷ 1941 data.

Source: Electrical Merchandising, January 1957; published by McGraw-Hill Publishing Co., Inc., New York, N. Y. (except as noted).

No. 1077.—SHIPMENTS OF AIR-CONDITIONING AND REFRIGERATION EQUIPMENT:
1945 TO 1955

[Value figures in thousands of dollars. Represent manufacturer's billing prices for units actually billed and shipped.
Data for earlier years are less complete, and thus not strictly comparable]

PRODUCT	1945		1950		1954		1955	
	Number	Value	Number	Value	Number	Value	Number	Value
Condensing units.....	354,401	36,902	885,913	75,833	570,418	63,699	501,470	70,928
Ammonia refrigerants.....	1,785	2,503	245	352	121	232	84	155
Refrigerants except ammonia.....	352,616	34,309	885,668	75,481	570,297	63,487	501,386	70,773
Air-cooled.....	327,031	23,378	835,239	59,035	516,162	42,123	524,081	45,878
Water-cooled.....	25,585	11,021	50,429	16,446	54,135	21,344	67,305	24,895
Compressors and compressor units.....	107,340	9,578	954,368	46,977	(1)	127,076	2,537,462	116,302
Centrifugal-refrigeration systems.....	185	2,994	382	12,249	556	19,868	818	25,743
Heat-exchanger equipment.....		22,422		61,337		2 ^a 107,923		114,520
Evaporative condensers.....	2,885	2,829	7,818	8,869	5,674	8,574	5,882	9,504
Unit coolers.....	91,003	10,186	133,300	24,588	87,000	12,990	97,234	15,063
Other heat-exchanger equipment.....		9,407		27,880		86,359		89,872
Packaged air-conditioning equipment.....		(1)		(1)		371,742		365,362
Ice-making machines.....	2,805	4,044	14,914	8,907	(1)	11,960	31,781	16,399

¹ Not available. ^a Excludes shipments of air-cooled condensers.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M52A.

No. 1078.—FARM MACHINES AND EQUIPMENT—SHIPMENTS: 1929 TO 1955

[In thousands of dollars. Includes data for tractors for nonfarm use; for figures excluding these data, see table 1080. Survey suspended 1932-34. Data prior to 1947 represent sales, not significantly different from shipments]

YEAR	Total	Farm machines and equip- ment	Attach- ments and parts	YEAR	Total	Farm machines and equip- ment	Attach- ments and parts
1929.....	492,992	411,681	81,311	1944.....	1,026,207	694,880	331,327
1930.....	417,926	340,276	77,650	1945.....	996,557	697,422	299,135
1931.....	208,575	157,745	50,830	1946.....	983,515	609,965	283,550
1935.....	277,089	218,462	58,627	1947.....	1,502,598	1,100,592	402,006
1936.....	375,128	301,683	73,445	1948.....	1,981,987	1,475,988	485,989
1937.....	485,130	405,597	79,533	1949.....	2,062,266	1,588,435	473,831
1938.....	404,047	316,886	87,161	1950.....	2,099,807	1,637,272	462,535
1939.....	386,549	300,256	86,263	1951.....	2,635,996	2,029,779	606,217
1940.....	462,415	360,963	101,452	1952.....	2,397,535	1,812,286	585,249
1941.....	638,605	506,170	132,435	1953.....	2,274,942	1,748,460	526,482
1942.....	622,528	414,536	207,992	1954.....	1,877,361	1,405,755	471,606
1943.....	602,290	344,854	257,436	1955.....	2,241,449	1,692,138	549,311

¹ Excludes \$20,611,000 in farm machines and equipment not specified by kind which could not be separated between complete units and attachments and parts.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M35A.

No. 1079.—TRACTORS, ATTACHMENTS, AND PARTS (DOMESTIC AND EXPORT)—SHIPMENTS, BY KIND: 1945 TO 1955

[Value in thousands of dollars. Data for 1945 represent sales, not significantly different from shipments]

YEAR AND TYPE OF PRODUCT	Total value	COMPLETE UNITS				ATTACHMENTS AND PARTS (value)	
		Domestic		Export		Domestic	Export
		Number	Value	Number	Value		
Total:							
1945	559,378	252,086	329,171	63,566	55,325	155,992	18,890
1950	1,098,049	604,686	649,972	93,658	170,059	218,287	59,731
1951	1,417,030	670,651	841,113	106,816	201,606	288,886	85,425
1952	1,293,481	591,502	743,543	76,322	181,072	281,051	87,815
1953	1,271,834	573,213	729,925	79,548	218,362	248,736	74,811
1954	(2)	367,909	538,247	68,443	193,354	(2)	(2)
1955 ^a	(2)	504,920	698,937	63,032	203,237	(2)	(2)
Wheel type:							
1945	250,060	186,281	126,357	57,411	42,539	67,427	13,746
1950	705,152	425,815	478,238	74,102	96,057	111,315	19,542
1951	930,064	472,821	631,027	87,152	126,974	140,722	31,341
1952	774,072	360,366	516,847	56,811	98,820	129,436	28,900
1953	726,987	336,401	494,981	53,965	95,341	112,470	24,145
1954	(2)	212,832	360,404	43,860	82,863	(2)	(2)
1955 ^a	(2)	286,160	449,869	40,277	68,862	(2)	(2)
Tracklaying:							
1945	303,269	39,404	199,461	4,594	12,547	86,255	5,006
1950	360,437	29,167	150,205	15,423	73,282	97,115	30,835
1951	449,478	33,507	186,017	15,635	73,943	135,926	53,592
1952	477,020	33,596	199,352	14,559	81,489	138,682	55,397
1953	500,143	31,692	206,698	18,905	121,998	121,387	50,060
1954	403,166	23,783	158,580	16,591	109,338	94,860	40,388
1955	(2)	31,036	225,831	17,855	133,612	(2)	(2)
Garden type:							
1945	6,040	26,401	3,353	1,561	239	2,310	138
1950	32,460	149,704	21,529	4,123	720	9,857	354
1951	37,488	184,323	24,069	4,029	689	12,238	492
1952	41,189	197,540	27,344	4,952	754	12,933	458
1953	44,754	205,120	28,246	6,678	1,023	14,879	606
1954	(2)	131,294	19,263	7,992	1,153	(2)	(2)
1955	36,738	187,724	23,237	4,900	763	12,080	658

^a Excludes 51,949 motor tillers of 2 engine horsepower and under, valued at \$4,428,000, for which no data are available on domestic or export shipments.^b Not available.^c Excludes 4,021 contractors' off-highway wheel tractors valued at \$62,658,000 for which no data are available on domestic or export shipments.

No. 1080.—FARM MACHINES AND EQUIPMENT—SHIPMENTS, BY CLASS: 1945 TO 1955

[In thousands of dollars. Excludes data for tractors for nonfarm use. Data for 1945 represent sales, not significantly different from shipments]

CLASS	1945	1950	1951	1952	1953	1954	1955
Total	700,177	1,792,427	2,204,491	1,938,996	1,648,412	(1)	(1)
Farm machines and equipment (complete units)	490,504	1,437,824	1,758,656	1,524,630	1,314,287	(1)	(1)
Attachments and parts	209,673	354,603	445,835	414,366	334,125	(1)	(1)
COMPLETE UNITS, ATTACHMENTS, AND PARTS							
Plows and listers	40,163	100,326	111,512	92,632	68,703	66,506	66,417
Harrows, rollers, pulverizers, and stalk cutters	22,508	77,716	94,188	84,558	78,785	70,605	74,706
Planting, seeding, and fertilizing machinery	43,286	113,053	134,062	127,366	107,443	93,593	88,462
Cultivators and weeder	33,567	57,253	80,983	71,605	54,829	42,584	52,640
Sprayers and dusters	14,715	36,770	42,530	36,429	34,701	37,674	38,254
Harvesting machinery	99,361	288,153	345,084	309,384	294,024	252,566	243,561
Haying machinery	49,456	154,979	209,546	202,962	191,441	147,883	169,083
Machines for preparing crops for market or for use	25,230	30,552	36,406	31,461	29,919	33,892	33,070
Farm poultry equipment	24,868	30,127	34,611	25,442	27,216	25,566	28,429
Farm dairy machines and equipment	46,752	22,969	22,310	21,471	24,292	22,183	19,260
Barn equipment	7,087	11,300	13,719	15,526	15,107	12,856	12,405
Barnyard equipment	8,087	17,777	21,641	15,064	12,507	16,742	17,854
Farm elevators and blowers	6,144	34,671	39,378	40,649	37,664	37,072	38,778
Farm wagons, trucks, and other farm transportation equipment	15,864	26,103	32,996	20,505	26,555	23,545	29,202
Tractors for farm use	262,990	790,669	985,525	834,942	2,645,226	(1)	(1)

^a Not available. ^b Domestic shipments only.Source of tables 1079 and 1080: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M35A and M37B.